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Metropolitan Housing Characteristics

WORCESTER, MASS.

STANDARD METROPOLITAN STATISTICAL AREA

1980

**Census of
Housing**

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1980

Census of Housing

VOLUME 2

Metropolitan Housing Characteristics

WORCESTER, MASS.

HC80-2-376

Issued October 1983



U.S. Department of Commerce
Malcolm Baldrige, Secretary
Robert G. Dederick,
Under Secretary for
Economic Affairs

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C. L. Kincannon, Acting Director

HOUSING DIVISION
Arthur F. Young, Chief

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313	St. Louis, Mo.-Ill.	332	Sherman-Denison, Tex.	352	Toledo, Ohio-Mich.	371	Wichita, Kans.
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Introduction

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GENERAL

This report is part of the *Metropolitan Housing Characteristics* series and presents cross-tabulations of sample data on housing and household characteristics from the 1980 Census of Population and Housing. Legal provision for this census, which was conducted as of April 1, 1980, was made in the Act of Congress of August 31, 1954 (amended August 1957, December 1975, and October 1976), which codified Title 13, United States Code.

The content and procedures of the 1980 census were determined after evaluation of the results of the 1970 census, consultation with a wide variety of users of census data, and extensive field testing. A number of changes were introduced in 1980 to improve the usefulness of the census results. The changes do not, however, affect to any appreciable extent the comparability between the 1980 data and the 1970 data. Further information on comparability appears in Appendix B, "Definitions and Explanations of Subject Characteristics."

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Such information will also appear in other publications of the 1980 census.

The *Metropolitan Housing Characteristics* series consists of a United States

Summary report and individual reports for each of the 50 States, Puerto Rico, and each of the standard metropolitan statistical areas (SMSA's) in the United States and Puerto Rico. The abbreviated identification for this report is HC80-2 (i.e., Housing Census, 1980, Volume 2) followed by a number representing the State or SMSA.

In the SMSA reports, data are published for the following levels of geography: the SMSA, each central city, and each place of 50,000 or more population. In the State reports, data are shown for the State, that part of the State inside SMSA's, and inside central cities. In the United States Summary report, data are published for the United States total, inside SMSA's, and inside central cities, and for the four census regions, the region total, inside SMSA's, and inside central cities.

CONTENTS OF THE REPORT

This report contains text (this introduction and six appendixes), a table of contents, one or more maps, and a series of detailed tables. The detailed tables are organized to provide a set of 68 tables for each geographic area (State, SMSA, central city, etc.) covered in the report. As shown in the "Index of Tables" on page IX, the set of tables for each geographic area is identified with a unique letter (A, B, C, etc.) prefix in the table number. In the SMSA reports, the SMSA is presented first, followed by the sets of tables for the central cities and places, all in alphabetical order.

For each particular area, the 68 tables consist of: 13 tables for the area in its entirety, 44 tables for occupied housing units classified by the racial group of the householder, and 11 tables for occupied housing units with householders of Spanish origin. More specifically, tables

1 to 13 are for the entire State, SMSA, central city, or place; tables 14 to 24 are for housing units with a White householder; tables 25 to 35 are for units with a Black householder; tables 36 to 46 are for units with an American Indian, Eskimo, or Aleut householder; tables 47 to 57 are for units with an Asian or Pacific Islander householder; and tables 58 to 68 are for units with a Spanish origin householder.

The race and Spanish origin tables are presented for SMSA's and places only when certain population-size criteria are met. Tables 25 to 35 (Black); 36 to 46 (American Indian, Eskimo, and Aleut); and 47 to 57 (Asian and Pacific Islander) are presented only when the particular area's population contains 10,000 or more persons of the given racial group or when the persons in the given racial groups constitute 10 percent or more of the total population of the particular area. If any of these 3 sets of tables qualify to appear for an area, tables 14 to 24 (White) are also presented. The Spanish origin tables (58 to 68) are shown if there are 10,000 or more Spanish origin persons in the particular area or if such persons constitute 10 percent or more of the total population of the particular area.

Appearing last in the report are the appendixes. Appendix A describes the various area classifications (e.g., standard metropolitan statistical area, census designated place). Appendix B provides definitions and explanations for the subjects covered in this report. Appendix C briefly explains the residence rules used in counting the population and describes the data collection and processing procedures. Appendix D presents information on the sources of error in the data and on editing procedures. Appendix E contains facsimiles of the 1980 census questionnaire pages and respondent instructions. Appendix F summarizes the data dissemination program of the 1980 census.

DERIVED FIGURES (Means, Medians, and Percents)

This report presents means, medians, and percents, as well as certain rates and ratios. The median—a type of average—is the middle value in a distribution; i.e., the median divides the distribution into two equal parts: one-half of the cases are below the median and one-half of the cases are above the median. Percents and other derived measures which round to less than 0.1 are not shown but are indicated as zero (i.e., “—”).

Medians for rooms are rounded to the nearest tenth; for age, to the nearest year; for persons, to the nearest hundredth; for value, to the nearest hundred dollars; and for income, selected monthly owner costs, contract and gross rent, to the nearest dollar. In computing medians for rooms and persons per housing unit, the whole number is used as the midpoint of the interval so that, for example, the category “3 rooms” is treated as an interval ranging from 2.5 to 3.5 rooms. In computing median rent, units reported as “no cash rent” are excluded. The median is computed on the basis of the distribution as tabulated, which is sometimes more detailed than the distribution shown in this report. For example, median age is based on a distribution of five year intervals from 15 to 85 years. When the median falls in the lower terminal category of an open-ended distribution, the method of presentation is to show the initial value of the next category followed by a minus sign; thus, for example, if the median falls in the category “Less than \$10,000,” it is shown as “\$10,000—.” When the median falls in the upper terminal category of an open-

ended distribution, the initial value of the terminal category is given followed by a plus sign; thus, for example, if the median falls in the category “\$150,000 or more,” it is shown as “\$150,000+.”

SYMBOLS AND GEOGRAPHIC ABBREVIATIONS

The following symbols and geographic abbreviations are used in the tables:

- A dash “—” represents zero or a percent which rounds to less than 0.1.
- Three dots “...” mean not applicable, or that the data are being withheld to avoid disclosure of information for individual housing units. (For further information on disclosure, see the section below on “Suppression of Data for Confidentiality.”)
- CDP is census designated place.
- SMSA is standard metropolitan statistical area.

SUPPRESSION OF DATA FOR CONFIDENTIALITY

To maintain the confidentiality promised respondents and required by law, the Census Bureau takes precautions that its published data do not disclose information about specific individuals and housing units. To accomplish this, the Bureau suppresses data for characteristics which are based on a small number of persons and/or housing units in the geographic area. Under certain conditions, both primary and complementary suppression, as defined below, may take place.

The general rules of primary suppression of sample data are as follows: esti-

mates of total population by race and Spanish origin are never suppressed; other characteristics for persons are shown only if there are 30 or more persons in the geographic area; estimates of total housing units, vacant housing units, year-round housing units, and occupied housing units are never suppressed; characteristics of year-round housing units which are not classified by occupancy status are shown only when there are 10 or more year-round housing units in the geographic area; characteristics of families, households, or occupied housing units are shown only if there are at least 10 occupied housing units within the geographic area; and distributions of data for owners or renters are shown only where the number of owners is at least 10 and the number of renters is also at least 10. These primary suppression criteria are applied independently of one another. The comparable figures for complete count (100-percent) data are 15 or more persons and 5 or more housing units of the specified type.

Population and occupied housing unit characteristics cross-classified by race or Spanish origin (of the householder in the case of occupied housing units) are subject to an additional level of examination. This requires that the 30 person or 10 housing unit criterion stated above be applied individually to each race or Spanish origin category.

Finally, complementary suppression is applied to prevent the derivation of primary suppressed data by subtraction. For example, housing unit data shown by tenure may require complementary suppression when the number of owner-occupied or renter-occupied housing units is less than 10.

1980

Census of Housing

Metropolitan Housing Characteristics

WORCESTER, MASS.

STANDARD METROPOLITAN STATISTICAL AREA
HC80-2-376

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Arrangement of Tables

This report presents a set of tables for the SMSA, each central city, and each place of 50,000 inhabitants or more. The report is organized to provide a set of 68 tables for each geographic area. There are 11 tables showing data for all households in the area, 2 tables showing data for vacant units, 11 tables for householders of each of four separate race groups, and 11 tables for householders of Spanish origin. The race/Spanish origin tables are, however, shown only when certain population criteria are met. See page VII of the Introduction for further information. To assist the reader in using this report, the listings are presented as follows:

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Area	Prefix letter	Tables 1-13 Total	Tables 14-24 White	Tables 25-35 Black	Tables 36-46 American Indian, Eskimo, and Aleut	Tables 47-57 Asian and Pacific Islander	Tables 58-68 Spanish Origin
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Table Finding Guide— Cross-Classification of Subjects by Table Number

Subject	Value	Gross rent	Income and poverty status in 1979 of owner-occupied housing units	Income and poverty status in 1979 of renter-occupied housing units	Selected monthly owner costs for mortgaged housing units	Selected monthly owner costs for not mortgaged housing units
OCCUPANCY CHARACTERISTICS						
Condominium	—	—	—	—	—	—
Year moved into unit.	1	2	3	4	5	6
UTILIZATION CHARACTERISTICS						
Rooms	1	2	—	—	5	6
Persons in unit.	—	—	—	—	5	6
Bedrooms	1	2	—	—	—	—
Median rooms	1	2	3	4	5	6
STRUCTURAL CHARACTERISTICS						
Units in structure	—	2	—	—	—	—
Year structure built.	1	2	—	—	5	6
Stories in structure	—	2	—	—	—	—
PLUMBING CHARACTERISTICS						
Plumbing facilities	1	2	3	4	—	—
EQUIPMENT AND FUELS						
Heating equipment	1	2	3	4	5	6
Air conditioning.	1	2	3	4	5	6
Vehicles available	—	—	3	4	—	—
House heating fuel	—	—	3	4	5	6
Water heating fuel.	—	—	—	—	—	—
FINANCIAL CHARACTERISTICS						
Value.	—	—	—	—	5	6
Price asked.	—	—	—	—	—	—
Mortgage status and selected monthly owner costs	—	—	3	—	—	—
Selected monthly owner costs as percentage of household income.	—	—	—	—	5	6
Contract rent	—	—	—	4	—	—
Gross rent	—	—	—	4	—	—
Rent asked.	—	—	—	—	—	—
Gross rent as percentage of household income.	—	2	—	4	—	—
Mortgage status and selected monthly owner costs as percentage of household income.	1	—	3	—	—	—
HOUSEHOLD CHARACTERISTICS						
Household type by age of householder	1	2	3	4	5	6
Income.	1	—	—	—	—	—
Income below poverty level	1	2	—	—	—	—

The table numbers listed above show data for all households. Similar data are shown in the tables listed below when there are 10,000 or more persons of the race or Spanish origin group, or if the group comprises 10 percent of the area population. For further explanation, see the Introduction on page VII.

White	14	15	16	17	18	19
Black	25	26	27	28	29	30
American Indian, Eskimo, and Aleut	36	37	38	39	40	41
Asian and Pacific Islander	47	48	49	50	51	52
Spanish origin	58	59	60	61	62	63

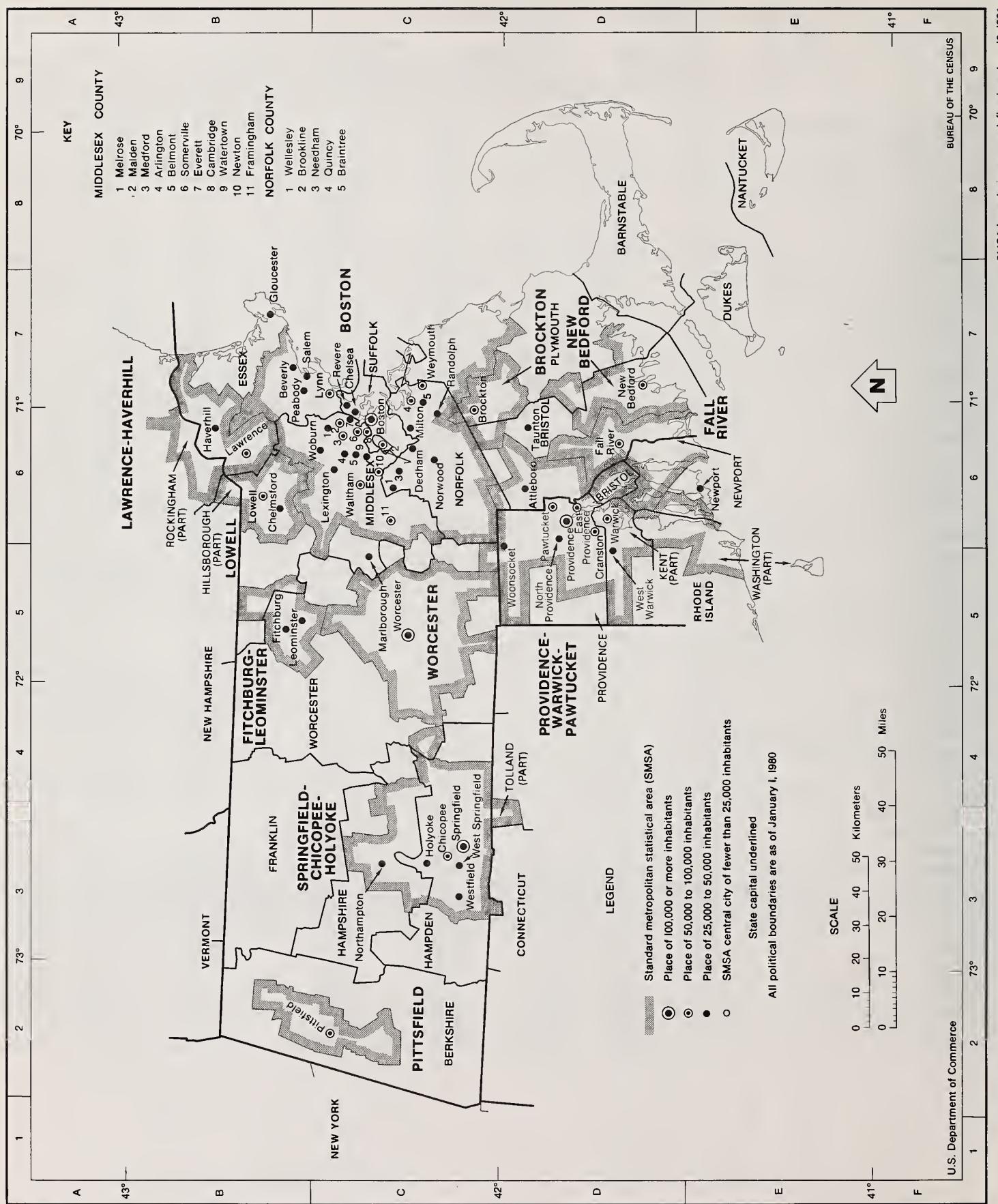
Table Finding Guide—Cross-Classification of Subjects by Table Number

Subject	Year structure built	Units in structure	Size of household (persons)	Household composition by age of householder	Age and sex of householder in one-person households	Duration of vacancy	Price asked and rent asked
OCCUPANCY CHARACTERISTICS							
Condominium	—	8	—	—	—	—	—
Year moved into unit.	7	8	—	—	—	—	—
UTILIZATION CHARACTERISTICS							
Rooms	7	8	9	—	—	12	—
Persons in unit.	7	—	—	10	—	—	—
Bedrooms	—	8	—	—	—	12	13
Median rooms	7	8	9	—	—	12	—
STRUCTURAL CHARACTERISTICS							
Units in structure	7	—	9	—	11	12	13
Year structure built.	—	—	—	—	—	12	13
Stories in structure	—	—	—	—	—	—	—
PLUMBING CHARACTERISTICS							
Plumbing facilities	7	8	9	10	11	12	13
EQUIPMENT AND FUELS							
Heating equipment	7	8	—	—	—	12	—
Air conditioning.	7	8	—	—	—	—	—
Vehicles available	—	8	—	—	—	—	—
House heating fuel	7	8	—	—	—	—	—
Water heating fuel.	—	8	—	—	—	—	—
FINANCIAL CHARACTERISTICS							
Value.	—	—	9	—	—	—	—
Price asked.	—	—	—	—	—	12	—
Mortgage status and selected monthly owner costs	—	—	—	—	11	—	—
Selected monthly owner costs as percentage of household income.	—	—	9	—	11	—	—
Contract rent	—	—	—	—	—	—	—
Gross rent	—	—	9	—	11	—	—
Rent asked.	—	—	—	—	—	12	—
Gross rent as percentage of household income	—	—	9	10	11	—	—
Mortgage status and selected monthly owner costs as percentage of household income.	—	—	—	10	—	—	—
HOUSEHOLD CHARACTERISTICS							
Household type by age of householder	7	8	—	—	—	—	—
Income	7	8	9	—	11	—	—
Income below poverty level	7	8	9	—	11	—	—

The table numbers listed above show data for all households. Similar data are shown in the tables listed below when there are 10,000 or more persons of the race or Spanish origin group, or if the group comprises 10 percent of the area population. For further explanation, see the Introduction on page VII.

White.	20	21	22	23	24	—	—
Black	31	32	33	34	35	—	—
American Indian, Eskimo, and Aleut	42	43	44	45	46	—	—
Asian and Pacific Islander	53	54	55	56	57	—	—
Spanish origin	64	65	66	67	68	—	—

Standard Metropolitan Statistical Areas, Counties, and Selected Places



CORRECTION NOTE

Any corrections to the 1980 census counts of the total population and total housing units made after this report was printed are available by writing to Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233.

NOTE TO USERS:

1. In tables where the median age for total persons in owner-occupied and renter-occupied housing units is shown as ~~-85+~~, the correct entry should be three dots (...).
2. The "Not computed" line for Mortgage Status and Selected Monthly Owner Costs as Percentage of Household Income in 1979 for not mortgaged units includes households with zero or negative income and households reporting no housing costs; that is, not mortgaged units with no utility, fuel, tax, or insurance payments required. Households with no Selected Monthly Owner Costs are normally excluded from the "Not computed" category.



Table A-1. Value of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

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	Total	\$10,000 to \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more	Median (dollars)	Mean (dollars)
Specified owner-occupied housing units													
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families	59 371	520	2 414	8 810	14 765	13 587	7 675	7 522	2 479	1 329	270	42 100	46 300
15 to 24 years	46 522	275	1 496	5 660	11 279	10 863	6 534	6 720	2 285	1 184	226	43 800	48 400
25 to 34 years	608	5	32	70	295	149	31	26	—	—	36 600	37 800	51 000
35 to 44 years	9 620	23	89	752	2 093	2 388	1 748	1 839	500	167	21	47 500	51 000
45 to 64 years	10 392	51	211	727	2 073	2 356	1 546	2 045	869	414	100	49 000	54 900
65 years and over	19 291	105	651	2 628	4 896	4 646	2 595	2 354	793	536	87	42 700	47 200
Male householder, no wife present	6 611	91	513	1 483	1 922	1 324	614	456	123	67	18	35 800	39 100
15 to 24 years	3 559	94	280	824	937	796	300	195	56	53	24	36 100	39 300
25 to 34 years	146	—	9	22	52	38	—	14	11	—	—	38 400	43 200
35 to 44 years	567	—	34	84	120	182	53	64	16	14	—	41 700	44 300
45 to 64 years	488	14	13	69	144	103	66	25	10	27	17	40 500	50 500
65 years and over	1 218	47	95	294	346	245	108	57	14	12	—	35 200	36 600
Female householder, no husband present	1 140	33	129	355	275	228	73	35	5	—	7	31 800	34 400
15 to 24 years	9 290	151	638	2 326	2 549	1 928	841	607	138	92	20	35 400	38 500
25 to 34 years	56	—	11	14	25	6	—	—	—	—	—	42 100	40 600
35 to 44 years	716	11	37	152	179	151	104	64	10	8	—	39 000	41 100
45 to 64 years	1 119	5	33	165	259	280	119	167	57	34	—	42 700	47 700
65 years and over	3 352	42	159	789	992	687	375	205	55	38	10	36 700	39 700
Median age	4 047	93	409	1 209	1 105	785	237	171	16	12	10	32 300	34 500
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980	4 045	21	78	261	780	835	682	776	354	209	49	50 600	56 800
1975 to 1978	12 321	74	199	1 106	2 645	2 888	1 875	2 213	750	496	75	47 000	52 600
1970 to 1974	9 432	30	252	1 033	2 055	2 076	1 440	1 671	570	250	55	46 300	50 800
1960 to 1969	14 208	74	469	2 206	3 537	3 565	1 845	1 717	467	278	50	42 200	45 600
1959 or earlier	19 365	321	1 416	4 204	5 748	4 223	1 833	1 145	338	96	41	36 000	38 500
ROOMS													
1 to 3 rooms	619	88	145	204	72	48	27	10	13	12	—	23 500	27 800
4 rooms	4 137	67	507	1 448	1 309	603	116	68	19	—	30 300	31 100	31 100
5 rooms	13 307	163	682	2 633	4 600	3 540	1 147	451	61	23	7	36 700	37 400
6 rooms	18 020	120	581	2 773	5 210	4 851	2 531	1 672	220	57	5	40 600	42 100
7 rooms	11 907	29	317	1 062	2 325	2 847	2 083	2 516	577	117	34	47 700	50 200
8 or more rooms	11 381	53	182	690	1 249	1 698	1 771	2 805	1 589	1 120	224	60 300	65 900
Median	6.1	5.1	5.3	5.5	5.8	6.0	6.5	7.1	7.9	8.4	8.5+	...	...
BEDROOMS													
None	34	9	—	12	6	5	2	—	—	—	—	36 700	34 400
1	2 033	110	225	726	490	286	105	69	19	3	—	29 000	31 500
2	13 567	154	904	3 233	4 136	3 006	1 204	727	135	68	—	35 500	37 500
3	30 715	205	952	3 752	7 904	7 807	4 537	4 243	921	328	66	43 100	45 800
4	10 692	20	273	834	1 839	2 117	1 540	2 103	1 152	713	101	51 500	58 200
5 or more	2 330	22	60	265	384	365	284	378	252	217	103	51 900	63 000
YEAR STRUCTURE BUILT													
1975 to March 1980	4 760	5	18	116	500	849	850	1 380	556	412	74	60 400	66 000
1970 to 1974	4 544	7	14	178	566	845	828	1 328	528	211	39	57 900	61 100
1960 to 1969	9 595	34	183	794	1 832	2 397	1 629	1 804	618	236	68	48 200	52 500
1950 to 1959	14 864	39	398	2 020	4 465	4 334	1 970	1 243	271	117	7	41 100	43 000
1940 to 1949	6 585	54	289	1 175	2 096	1 550	788	436	92	101	4	38 400	41 100
1939 or earlier	19 023	381	1 512	4 527	5 306	3 612	1 610	1 331	414	252	78	35 300	39 200
HOUSEHOLD INCOME IN 1979													
Less than \$5,000	3 168	109	336	959	1 703	549	261	138	89	21	3	32 100	35 800
\$5,000 to \$9,999	5 313	162	442	1 504	1 616	906	332	318	21	5	7	33 000	34 900
\$10,000 to \$12,499	3 116	41	271	699	984	624	261	203	19	14	—	35 300	36 900
\$12,500 to \$14,999	3 058	24	191	622	939	658	351	182	59	25	7	36 800	39 700
\$15,000 to \$19,999	8 711	77	470	1 558	2 642	2 065	1 012	695	125	60	7	38 300	40 500
\$20,000 to \$24,999	10 131	49	299	1 211	2 710	2 879	1 525	1 094	247	96	21	42 700	44 900
\$25,000 to \$34,999	14 508	28	268	1 468	3 436	3 654	2 323	2 388	695	224	24	45 100	48 800
\$35,000 to \$49,999	8 164	22	111	656	1 434	1 771	1 214	1 825	707	371	53	50 700	56 200
\$50,000 or more	3 202	8	26	133	301	481	396	679	517	513	148	66 700	75 200
Median	\$23 042	\$9 583	\$14 568	\$16 877	\$20 848	\$23 401	\$25 292	\$29 475	\$34 770	\$42 079	\$52 362	...	...
Mean	\$25 135	\$13 609	\$15 898	\$18 398	\$21 810	\$24 719	\$26 578	\$31 296	\$41 774	\$50 233	\$63 470	...	...
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
With a mortgage	38 582	102	824	4 242	9 080	9 311	5 622	6 017	2 071	1 113	200	45 000	50 000
Less than 15 percent	11 022	46	223	1 416	2 793	2 597	1 487	1 541	581	298	40	43 800	48 700
15 to 19 percent	8 630	23	172	834	2 161	2 298	1 319	1 232	370	175	46	44 600	48 900
20 to 24 percent	7 392	19	156	656	1 665	1 741	1 053	1 372	502	215	13	46 200	51 400
25 to 29 percent	4 322	—	60	425	907	1 047	705	724	255	159	40	47 000	52 600
30 to 34 percent	2 449	5	49	225	511	567	402	441	113	110	26	47 200	52 900
35 percent or more	4 644	9	164	656	1 018	1 038	642	690	236	156	35	44 900	49 300
Not computed	123	—	—	30	25	23	14	17	—	—	43 000	47 500	47 500
Median	19.8	16.1	20.5	19.1	19.0	19.5	20.0	20.8	20.8	21.9	25.1	...	...
Not mortgaged	20 789	418	1 590	4 568	5 685	4 276	2 053	1 505	408	216	70	36 400	39 500
Less than 10 percent	6 037	75	396	1 049	1 608	1 412	692	540	142	88	35	39 300	42 600
10 to 14 percent	4 936	65	348	954	1 315	1 085	579	439	110	32	9	38 200	40 800
15 to 19 percent	2 895	96	279	583	802	610	316	114	59	25	11	35 500	37 800
20 to 24 percent	1 838	29	130	495	528	322	148	116	33	37	—	34 300	38 100
25 to 29 percent	1 201	45	73	348	405	183	78	54	12	3	—	32 800	34 700
30 to 34 percent	763	13	85	176	217	126	41	65	21	14	5	34 600	39 700
35 percent or more	2 960	88	279	925	771	519	168	158	25	17	10	32 100	35 100
Not computed	159	7	—	38	39	19	31	19	6	—	—	34 900	42 500
Median	14.3	18.4	15.9	17.2	14.6	13.3	12.8	12.3	12.7	13.1	10.0	...	...
SELECTED CHARACTERISTICS													
Complete plumbing for exclusive use	59 165	479	2 359	8 749	14 758	13 553	7 668	7 522	2 479	1 328	270	42 200	46 400
1 or more persons per room	956	8	75	211	371	176	62	27	26	—	—	35 500	36 600
Lacking complete plumbing for exclusive use	206	41	55	61	7	34	7	—	—	1	—	20 700	24 000
1 or more persons per room	10	—	—	10	—	—	—	—	—	—	—	21 300	21 300
Heating equipment	59 349	511	2 414	8 810	14 758	13 587	7 675	7 516	2 479	1 329	270	42 100	46 300
Central heating system	55 039	354	2 116	8 077	13 897	12 690	7 028	6 991	2 348	1 274	264	42 200	46 600
Air conditioning	18 500	97	596	2 105	4 317	4 349							

Table A—2. Gross Rent of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B]

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Specified renter-occupied housing units

HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER

Married-couple families

15 to 24 years

25 to 34 years

35 to 44 years

45 to 64 years

65 years and over

Male householder, no wife present

15 to 24 years

25 to 34 years

35 to 44 years

45 to 64 years

65 years and over

Female householder, no husband present

15 to 24 years

25 to 34 years

35 to 44 years

45 to 64 years

65 years and over

Median age

15 to 24 years

25 to 34 years

35 to 44 years

45 to 64 years

65 years and over

YEAR HOUSEHOLDER MOVED INTO UNIT

1979 to March 1980

1975 to 1978

1970 to 1974

1960 to 1969

1959 or earlier

ROOMS

1 room

2 rooms

3 rooms

4 rooms

5 rooms

6 rooms

7 or more rooms

PLUMBING FACILITIES BY PERSONS PER ROOM

AND POVERTY STATUS IN 1979

All income levels in 1979

Complete plumbing for exclusive use

0.50 or less

0.51 to 1.00

1.01 to 1.50

1.51 or more

Locking complete plumbing for exclusive use

0.50 or less

0.51 to 1.00

1.01 to 1.50

1.51 or more

Income in 1979 below poverty level

Complete plumbing for exclusive use

1.01 or more persons per room

Locking complete plumbing for exclusive use

1.01 or more persons per room

BEDROOMS

None

1

2

3

4

5 or more

UNITS IN STRUCTURE

1, detached or ottodod

2

3 and 4

5 to 9

10 to 49

50 or more

Mobile home or trailer, etc.

YEAR STRUCTURE BUILT

1975 to March 1980

1970 to 1974

1960 to 1969

1950 to 1959

1940 to 1949

1939 or earlier

STORIES IN STRUCTURE

1 to 3

4 or more

With elevator

GROSS RENT AS PERCENTAGE OF HOUSEHOLD

INCOME IN 1979

Less than 15 percent

15 to 19 percent

20 to 24 percent

25 to 29 percent

30 to 34 percent

35 to 49 percent

50 percent or more

Not computed

Median

SELECTED CHARACTERISTICS

Heating equipment

Central heating system

Air conditioning

Central system

Total	Less than \$100	\$100 to \$149	\$150 to \$199	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 or more	No cash rent	Median (dollars)
53 652	5 014	4 703	9 453	12 755	9 312	5 991	2 512	1 495	542	1 875	225
20 280	396	1 463	3 561	4 991	4 035	2 651	1 233	835	302	813	243
2 544	34	145	372	759	676	379	137	24	5	13	247
6 343	106	178	1 061	1 692	1 420	997	377	313	60	139	252
2 590	23	122	417	615	473	375	220	114	95	136	255
5 121	84	376	1 000	1 146	919	551	389	243	86	327	241
3 682	149	642	711	779	547	349	110	141	56	198	215
10 588	657	1 209	1 915	2 573	1 829	1 211	446	256	92	400	223
2 340	54	116	357	782	469	311	115	66	25	45	239
2 912	24	170	564	781	615	426	163	87	22	60	242
1 391	45	221	216	253	301	152	106	28	19	50	233
2 179	102	348	453	502	332	191	30	58	26	137	211
1 766	432	354	325	255	112	131	32	17	108	159	159
22 784	3 961	2 031	3 977	5 191	3 448	2 129	833	404	148	662	210
2 994	291	110	662	957	526	321	56	24	4	43	222
4 731	392	193	726	1 384	989	598	235	140	28	46	239
2 344	197	159	323	524	521	246	208	55	40	71	243
4 763	408	535	1 057	1 129	673	480	182	97	21	181	212
7 952	2 673	1 034	1 209	1 197	739	484	152	88	55	321	156
42.5	71.0	61.3	45.3	35.1	34.9	34.8	37.8	38.9	43.2	57.1	...
16 403	917	878	2 311	4 137	3 310	2 426	1 176	774	251	223	248
19 254	2 140	1 344	3 205	4 830	3 696	2 162	946	441	156	334	228
8 288	1 378	879	1 400	1 811	1 216	780	287	167	101	269	209
4 960	383	747	1 221	1 052	687	368	79	101	26	296	199
4 747	196	855	1 316	925	403	255	24	12	8	753	184
1 503	507	454	171	205	89	31	5	—	—	41	124
3 914	1 645	573	502	573	322	157	56	28	5	53	124
9 106	1 383	994	1 499	2 274	1 603	837	308	98	22	88	212
14 324	869	1 084	2 343	3 366	2 752	2 123	789	556	91	351	239
13 356	436	1 001	2 952	3 610	2 364	1 456	629	357	113	438	228
8 567	127	490	1 760	2 390	1 599	1 016	461	271	126	327	236
2 882	47	107	226	337	583	371	264	185	185	577	288
4.4	2.8	3.8	4.6	4.5	4.5	4.4	4.7	4.7	5.8	5.4	...
9 217	1 777	870	1 626	2 302	1 231	709	294	106	59	243	205
8 922	1 704	780	1 576	2 273	1 204	695	294	106	59	231	206
499	66	46	70	118	98	55	31	7	5	3	219
295	73	90	50	29	27	14	—	—	—	12	128
8	8	—	—	—	—	—	—	—	—	—	85
1 654	537	459	201	216	159	31	5	—	—	46	126
15 857	3 062	1 782	2 715	3 809	2 390	1 192	514	155	27	211	203
21 016	975	1 510	3 736	5 173	3 773	3 131	1 118	863	141	596	238
12 919	390	851	2 602	3 207	2 587	1 349	650	335	238	710	235
1 802	50	70	184	303	335	253	185	94	78	250	270
404	—	31	15	47	68	35	40	48	58	62	314
4 790	295	222	340	595	560	554	459	448	295	1 022	291
8 751	149	639	1 757	2 192	1 821	1 087	477	165	49	415	236
18 845	610	1 944	5 142	5 872	3 131	1 373	339	130	10	294	213
7 638	1 165	729	1 307	2 022	1 351	634	211	150	35	34	214
8 357	920	522	666	1 249	1 886	2 037	667	307	38	65	273
5 089	1 875	637	211	747	522	292	354	295	115	41	153
182	—	10	30	78	41	14	5	—	—	—	229
3 362	138	356	487	878	613	495	226	102	67	—	—
5 817	263	696	861	1 509	1 023	922	281	180	82	—	236
8 045	150	383	1 520	2 531	1 676	976	413	271	125	—	239
2 645	128	68	164	158	115	77	53	7	—	1 875	210
23.5	21.9	21.9	20.7	24.5	24.3	26.3	25.9	25.6	30.2	—	...
53 595	5 014	4 678	9 442	12 736	9 312	5 991	2 512	1 493	542	1 875	225
38 886	4 689	2 640	4 466	8 336	7 570	5 340	2 339	1 426	503	1 577	241
14 559	1 112	819	1 463	2 466	3 111	2 738	1 278	814	268	490	271
3 451	356	147	168	436	525	605	511	478	164	61	305

Table A—3. Income and Poverty Status in 1979 of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

The SMSA	Household income in 1979													Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)		
	Owner-occupied housing units	76 536	4 761	7 951	4 369	4 191	11 306	12 514	17 698	9 876	3 870	22 129	24 194	3 576
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER														
Married-couple families	57 808	1 083	3 697	2 741	2 737	8 616	10 553	15 884	8 954	3 543	24 738	27 141	1 378	
15 to 24 years	761	20	32	70	46	222	201	123	39	8	19 774	20 445	20	
25 to 34 years	11 217	155	307	250	611	2 266	3 113	3 293	984	238	22 949	24 216	295	
35 to 44 years	12 229	161	225	271	308	1 615	2 397	4 508	1 966	778	27 014	29 260	301	
45 to 64 years	24 361	359	683	906	823	3 074	3 928	6 946	5 453	2 189	28 028	30 753	476	
65 years and over	9 240	388	2 450	1 244	949	1 439	914	1 014	512	330	13 917	18 914	286	
Male householder, no wife present	5 513	497	835	416	480	1 069	798	430	196	17 488	19 670	295		
15 to 24 years	218	7	29	16	35	53	33	24	16	5	16 341	19 379	7	
25 to 34 years	908	12	45	63	83	299	156	153	67	30	19 195	21 895	21	
35 to 44 years	839	36	13	29	110	155	175	163	115	43	21 804	25 170	29	
45 to 64 years	1 877	135	197	152	123	353	340	313	194	70	19 709	21 343	96	
65 years and over	1 671	307	551	156	129	209	94	139	38	48	9 785	13 658	142	
Female householder, no husband present	13 215	3 181	3 419	1 212	974	1 621	1 163	1 022	492	131	10 015	13 190	1 903	
15 to 24 years	87	17	39	4	5	—	12	7	3	—	6 893	10 857	17	
25 to 34 years	945	174	260	83	86	181	81	53	23	4	11 160	12 860	254	
35 to 44 years	1 462	186	360	162	194	225	151	116	68	—	12 796	14 374	291	
45 to 64 years	4 603	592	945	502	417	753	555	554	226	59	14 074	16 115	477	
65 years and over	6 118	2 212	1 815	461	272	462	364	292	172	68	6 941	10 790	864	
Median age	51.7	69.1	68.1	62.1	56.3	48.7	44.7	46.0	50.1	52.0	...	...	57.3
YEAR HOUSEHOLDER MOVED INTO UNIT														
1979 to March 1980	5 299	198	277	295	288	865	1 154	1 280	703	239	22 792	25 015	236	
1975 to 1978	15 043	463	765	551	742	2 692	3 119	4 162	1 804	745	23 590	25 506	550	
1970 to 1974	11 750	461	720	397	500	1 859	2 266	3 312	1 570	665	24 261	26 243	574	
1960 to 1969	17 413	724	1 428	931	861	2 328	2 648	4 585	2 800	1 108	24 603	26 648	700	
1959 or earlier	27 031	2 915	4 761	2 195	1 800	3 562	3 327	4 359	2 999	1 113	17 436	20 831	1 516	
SELECTED CHARACTERISTICS														
Complete plumbing for exclusive use	75 904	4 668	7 835	4 313	4 139	11 173	12 440	17 645	9 838	3 853	22 190	24 255	3 532	
1-01 or more persons per room	1 231	11	55	31	68	235	252	309	184	86	24 457	27 155	72	
Lacking complete plumbing for exclusive use	632	93	116	56	52	133	74	53	38	17	14 952	16 766	44	
1-01 or more persons per room	16	—	—	—	—	—	10	—	6	—	24 500	29 006	—	
Heating equipment	76 485	4 751	7 946	4 356	4 191	11 290	12 507	17 698	9 876	3 870	22 139	24 202	3 576	
Central heating system	69 505	4 040	7 109	3 893	3 790	10 043	11 328	16 333	9 315	3 654	22 433	24 558	3 091	
Air conditioning	23 820	917	1 748	1 225	1 154	3 195	4 107	5 959	3 846	1 669	24 412	27 104	804	
Central system	1 435	63	76	77	52	166	198	291	269	243	27 298	32 945	37	
Vehicles available	72 397	3 027	6 488	4 075	4 057	11 072	12 368	17 606	9 863	3 841	22 887	25 114	2 819	
1	27 645	2 273	5 051	2 855	2 319	5 490	4 324	3 814	1 150	369	16 132	17 371	1 763	
2 or more	44 752	754	1 437	1 220	1 738	5 582	8 044	13 792	8 713	3 472	27 105	29 898	1 056	
House heating fuel	76 485	4 751	7 946	4 356	4 191	11 290	12 507	17 698	9 876	3 870	22 139	24 202	3 576	
Utility gas	16 541	1 126	1 756	1 063	916	2 543	2 657	3 764	2 027	689	21 507	23 480	776	
Bottled, tank, or LP gas	710	106	150	99	49	105	114	57	24	6	12 500	16 287	60	
Electricity	6 494	280	354	222	306	909	1 164	1 738	1 085	436	25 052	27 399	260	
Fuel oil, kerosene, etc.	49 102	3 110	5 430	2 800	2 725	7 036	7 802	11 280	6 328	2 591	22 064	24 149	2 312	
Other	3 638	129	256	172	195	697	770	859	412	148	22 354	24 037	168	
Median rooms	6.0	5.4	5.4	5.5	5.8	5.8	6.0	6.3	6.8	7.6	...	...	5.7
Specified owner-occupied housing units	59 371	3 168	5 313	3 116	3 058	8 711	10 131	14 508	8 164	3 202	23 042	25 135	2 409	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS														
With a mortgage	38 582	988	1 792	1 394	1 666	5 875	7 459	11 146	6 006	2 256	25 081	27 219	1 190	
Less than \$200	822	89	180	71	60	109	126	117	61	9	16 250	17 420	45	
\$200 to \$249	2 882	119	198	245	287	478	489	723	298	45	21 164	22 142	123	
\$250 to \$299	5 629	162	340	274	313	1 139	990	1 561	637	213	22 694	24 214	158	
\$300 to \$349	6 223	109	321	293	243	1 192	1 254	1 698	898	215	23 617	25 286	165	
\$350 to \$399	5 925	127	343	193	285	1 029	1 313	1 732	772	131	23 761	24 617	196	
\$400 to \$449	8 343	161	273	152	283	1 300	2 048	2 546	1 225	355	24 683	27 000	244	
\$500 to \$599	4 516	123	83	89	110	445	813	1 626	876	351	27 704	30 751	140	
\$600 to \$749	2 638	61	34	57	65	130	336	804	733	418	31 462	35 801	77	
\$750 or more	1 604	37	20	20	20	53	90	339	506	519	35 491	46 115	42	
Median	382	\$356	\$328	\$318	\$336	\$351	\$383	\$428	\$546	...	...	...	\$377
Not mortgaged	20 789	2 180	3 521	1 722	1 392	2 836	2 672	3 362	2 158	946	17 540	21 265	1 219	
Less than \$50	14	—	5	—	9	—	—	—	—	—	15 556	11 864	—	
\$50 to \$74	99	53	7	6	6	12	10	5	—	—	4 814	9 110	34	
\$75 to \$99	384	111	144	21	21	18	37	18	6	8	7 382	11 346	64	
\$100 to \$124	884	186	312	76	69	97	80	43	8	13	9 060	11 826	92	
\$125 to \$149	1 917	355	464	209	155	276	169	246	29	14	11 669	13 866	151	
\$150 to \$199	6 889	811	1 361	711	432	1 044	931	983	528	88	15 543	17 541	452	
\$200 to \$249	6 235	403	853	447	441	927	906	1 265	792	201	20 276	21 987	252	
\$250 or more	4 367	261	375	252	268	453	539	802	795	622	25 292	32 447	174	
Median	\$202	\$174	\$180	\$189	\$201	\$198	\$206	\$215	\$232	\$250+	...	...	\$180
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979														
With a mortgage	38 582	988	1 792	1 394	1 666	5 875	7 459	11 146	6 006	2 256	25 081	27 219	1 190	
Less than 15 percent	11 022	—	9	—	19	205	954	4 225	3 812	1 798	35 224	39 808	8	
15 to 19 percent	8 630	—	3	41	137	1 088	2 297	3 550	1 232	282	26 492	28 094	—	
20 to 24 percent	7 392	7	52	164	359	1 787	2 197	2 089	631	106	22 967	24 152	6	
25 to 29 percent	4 322	—	57	271	339	1 301	1 203	877	218	56	20 679	21 723	—	
30 to 34 percent	2 449	—	169	280	293	855	497	266	85	4	17 756	18 581	16	
35 percent or more	4 644	858	1 502	638	519	639	311	139	28	10	9 881	11 020	1 037	
Not computed	123	123	—	—	—	—	—	—	—	—	2500—	-1 021	123	
Median	19.8	50+	50+	33.9	29.7	24.6	21.1	16.9	13.4	10.7	...	...	50+
Not mortgaged	20 789	2 180	3 521	1 722	1 392	2 836	2 672	3 362	2 158	946	17 540	21 265	1 219	
Less than 10 percent	6 037	—	5	17	45	242	797	2 136	1 895	900	33 696	38 514	—	
10 to 14 percent	4 936	5	89	159	321	1 461	1 547	1 086	234	34	21 400	22 182	9	
15 to 19 percent	2 895	11	438	617	548	887	259	107	22	6	14 240	14 878	10	
20 to 24 percent	1 838	49	647	535	303	216	56	25	7	—</td				

Table A—4. Income and Poverty Status in 1979 of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

The SMSA

	Household income in 1979													Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)		
	Renter-occupied housing units	54 301	12 359	11 893	5 928	4 921	8 008	5 433	4 096	1 343	320	11 222	13 116	9 370
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER														
Married-couple families	20 641	990	3 635	2 303	2 149	4 342	3 329	2 802	907	184	16 380	17 700	1 556	
15 to 24 years	2 586	185	337	351	420	633	407	234	19	—	15 000	15 406	251	
25 to 34 years	6 447	300	740	676	705	1 652	1 367	865	135	7	17 383	17 508	512	
35 to 44 years	2 664	101	267	262	235	623	483	489	167	37	18 800	19 625	294	
45 to 64 years	5 220	163	628	461	458	1 065	767	1 050	522	106	19 242	21 707	295	
65 years and over	3 724	241	1 663	553	331	369	305	164	64	34	9 865	12 632	204	
Male householder, no wife present	10 713	2 217	2 267	1 269	1 020	1 741	1 058	810	264	67	11 719	13 272	1 496	
15 to 24 years	2 347	396	639	352	266	361	141	167	25	—	10 984	11 926	517	
25 to 34 years	2 942	298	475	385	357	643	376	282	108	18	14 692	15 606	268	
35 to 44 years	1 395	203	215	179	116	286	214	136	36	10	14 666	15 298	170	
45 to 64 years	2 243	461	386	213	203	381	282	197	81	39	13 257	15 069	309	
65 years and over	1 786	859	552	140	78	70	45	28	14	—	5 230	7 356	232	
Female householder, no husband present	22 947	9 152	5 991	2 356	1 752	1 925	1 046	484	172	69	6 749	8 921	6 318	
15 to 24 years	3 001	1 196	814	337	237	179	182	34	7	15	6 734	8 418	1 417	
25 to 34 years	4 768	1 159	1 330	735	431	626	289	179	11	8	9 609	10 654	1 562	
35 to 44 years	2 369	570	706	356	242	258	122	77	29	9	9 366	10 719	783	
45 to 64 years	4 797	1 403	1 339	498	455	607	287	133	63	12	8 685	10 357	940	
65 years and over	8 012	4 824	1 802	430	387	255	166	61	62	25	4 508	6 686	1 616	
Median age	42.5	63.5	50.4	36.3	35.6	34.7	34.7	38.1	48.9	51.3	... ...	36.1	
YEAR HOUSEHOLDER MOVED INTO UNIT														
1979 to March 1980	16 557	3 328	3 813	1 973	1 630	2 604	1 688	1 131	307	83	11 441	12 906	3 384	
1975 to 1978	19 454	4 123	4 171	2 384	1 895	2 875	1 929	1 524	449	104	11 503	13 198	3 223	
1970 to 1974	8 371	2 435	1 741	727	675	1 148	859	558	191	37	10 033	12 317	1 494	
1960 to 1969	5 055	1 273	1 053	489	314	670	477	504	231	44	11 030	14 408	625	
1959 or earlier	4 864	1 200	1 115	355	407	711	480	379	165	52	10 824	13 538	644	
PLUMBING FACILITIES BY PERSONS PER ROOM														
Complete plumbing for exclusive use	52 945	11 863	11 516	5 800	4 868	7 859	5 324	4 070	1 331	314	11 333	13 212	9 052	
0.50 or less	34 470	9 093	7 836	3 867	3 077	4 718	2 870	2 217	599	193	10 198	12 142	5 042	
0.51 to 1.00	17 191	2 614	3 392	1 741	1 673	2 928	2 322	1 719	695	107	13 768	15 235	3 494	
1.01 to 1.50	1 059	113	212	154	92	194	128	122	30	14	13 872	15 682	382	
1.51 or more	225	43	76	38	26	19	4	12	7	—	9 675	10 846	134	
Locking complete plumbing for exclusive use	1 356	496	377	128	53	149	109	26	12	6	6 970	9 395	318	
0.50 or less	630	270	146	55	14	87	52	6	—	—	6 278	8 480	162	
0.51 to 1.00	659	226	225	55	34	58	34	15	6	6	6 889	9 271	142	
1.01 to 1.50	41	—	6	10	5	4	5	5	6	—	14 750	19 559	6	
1.51 or more	26	—	—	8	—	—	18	—	—	—	20 694	18 660	8	
SELECTED CHARACTERISTICS														
Heating equipment	54 244	12 341	11 882	5 928	4 913	8 003	5 418	4 096	1 343	320	11 223	13 118	9 358	
Central heating system	39 415	8 953	8 506	4 127	3 521	5 744	4 071	3 120	1 079	294	11 362	13 406	6 320	
Air conditioning	14 698	2 444	2 709	1 552	1 244	2 392	1 936	1 706	566	149	13 794	15 574	1 436	
Central system	3 473	662	823	292	200	463	424	375	172	62	12 153	15 466	316	
Vehicles available	39 529	4 531	7 565	4 884	4 301	7 366	5 279	3 994	1 301	308	14 119	15 590	4 521	
1	27 814	4 091	6 531	4 046	3 338	5 065	2 673	1 483	422	165	12 030	13 248	3 649	
2 or more	11 715	440	1 034	838	963	2 301	2 606	2 511	879	143	20 486	21 150	872	
House heating fuel	54 244	12 341	11 882	5 928	4 913	8 003	5 418	4 096	1 343	320	11 223	13 118	9 358	
Utility gas	24 034	5 244	5 433	2 807	2 177	3 516	2 434	1 725	623	75	11 193	12 947	4 490	
Bottled, tank, or LP gas	1 109	282	269	186	62	126	127	44	13	—	10 047	11 131	213	
Electricity	8 889	2 770	1 878	810	670	1 198	705	607	199	52	9 338	12 012	1 490	
Fuel oil, kerosene, etc.	19 847	3 990	4 267	2 068	1 995	3 088	2 078	1 675	493	193	12 015	13 868	3 105	
Other	365	55	35	57	9	75	74	45	15	—	16 577	16 522	60	
Median rooms	4.4	3.7	4.2	4.4	4.5	4.6	4.8	4.9	5.4	5.6	... ...	4.4	
Specified renter-occupied housing units	53 652	12 219	11 792	5 865	4 869	7 895	5 368	4 026	1 313	305	11 200	13 075	9 217	
CONTRACT RENT														
Less than \$100	9 904	5 173	1 984	568	489	822	461	253	143	11	4 873	8 385	2 592	
\$100 to \$149	13 081	2 629	3 526	1 587	1 134	1 896	1 236	794	240	39	10 607	12 306	2 357	
\$150 to \$199	11 023	1 980	2 482	1 539	1 179	1 760	1 086	809	177	11	11 705	13 016	2 023	
\$200 to \$249	7 925	1 244	1 916	1 003	958	1 289	789	490	174	62	12 000	13 399	1 158	
\$250 to \$299	5 202	503	906	565	607	1 043	838	572	159	9	15 087	15 838	486	
\$300 to \$349	2 834	187	410	339	279	601	419	505	83	11	16 526	17 367	229	
\$350 to \$399	1 051	116	89	29	88	176	188	209	120	36	20 614	21 597	81	
\$400 to \$449	563	22	39	16	5	92	138	122	78	51	23 955	27 408	31	
\$500 or more	194	12	26	4	5	7	21	40	50	29	30 924	41 437	17	
No cash rent	1 875	353	414	215	125	209	192	232	89	46	11 983	16 011	243	
Median	\$159	\$112	\$152	\$167	\$177	\$177	\$187	\$203	\$212	\$284	... ...	\$141	
GROSS RENT														
Less than \$100	5 014	3 816	867	94	87	69	57	24	—	—	3 990	4 908	1 777	
\$100 to \$149	4 703	1 430	1 700	428	276	435	254	119	50	11	7 007	9 410	870	
\$150 to \$199	9 453	2 075	2 325	1 316	796	1 446	761	539	165	30	10 620	12 094	1 626	
\$200 to \$249	12 755	2 492	3 065	1 710	1 406	1 934	1 243	719	165	21	11 200	12 371	2 302	
\$250 to \$299	9 312	1 124	1 862	1 079	1 214	1 791	1 149	813	264	16	13 717	14 667	1 231	
\$300 to \$349	5 991	587	1 019	702	635	1 199	925	743	163	18	15 181	16 018	709	
\$350 to \$399	2 512	202	327	201	225	533	402	436	138	48	17 330	18 799	294	
\$400 to \$449	1 495	126	141	91	85	206	281	306	186	73	21 303	23 047	106	
\$500 or more	542	14	72	29	20	73	104	95	93	42	23 536	29 990	59	
No cash rent	1 875	353	414	215	125	209	192	232	89	46	11 983	16 011	243	
Median	\$225	\$167	\$212	\$229	\$243	\$249	\$262	\$281	\$294	\$385	... ...	\$205	
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979														
Less than 15 percent	10 831	131	483	341	586	2 322	2 722	2 872	1 115	259	22 412	24 300	177	
15 to 19 percent	8 752	572	782	900	1 269	2 618	1 759	753	99	—	16 530	16 528	401	
20 to 24 percent	8 510	1 608	1 420	1 564	1 504	1 783	464	161	6	—	11 961	11 784	494	
25 to 29 percent	5 690	928	1 571	1 379	900	735	169	4	4	—	10 627	10 461	493	
30 to 34 percent	3 362	333	1 716	754	364	133	58	4	—	—	9 146	9 378	372	
35 to 49 percent	5 817	1 340	3 600	667	111</									

Table A—5. Selected Monthly Owner Costs for Mortgaged Housing Units: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B)

The SMSA

Specified owner-occupied housing units -----

PERSONS IN UNIT

	Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
38 582	822	2 882	5 629	6 223	5 925	8 343	4 516	2 638	1 604	382	
1 person -----	2 105	220	295	463	287	297	303	157	49	34	313
2 persons -----	B 197	280	891	1 468	1 285	1 042	1 597	841	480	313	358
3 persons -----	7 941	110	634	1 101	1 401	1 167	1 908	780	543	297	381
4 persons -----	10 374	81	605	1 332	1 688	1 747	2 339	1 418	740	424	392
5 persons -----	6 419	115	367	799	1 010	1 037	1 340	812	531	408	394
6 persons -----	2 327	13	48	325	366	376	603	318	188	90	406
7 persons -----	793	3	30	110	107	149	172	120	66	36	399
8 or more persons -----	426	—	12	31	79	110	81	70	41	2	391
Median -----	3.60	2.18	2.90	3.30	3.58	3.76	3.66	3.84	3.83	3.87	...

HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER

Married-couple families -----	32 897	474	2 224	4 511	5 311	5 060	7 353	4 090	2 416	1 458	389
15 to 24 years -----	573	11	42	53	101	97	175	62	25	7	391
25 to 34 years -----	9 297	82	206	618	1 138	1 708	2 795	1 568	839	343	429
35 to 44 years -----	9 701	47	451	1 025	1 534	1 547	2 215	1 384	899	599	410
45 to 64 years -----	12 079	256	1 199	2 571	2 362	1 557	2 012	1 028	623	471	343
65 years and over -----	1 247	78	326	244	176	151	156	48	30	38	295
Male householder, no wife present -----	1 826	77	215	336	235	257	389	173	81	63	360
15 to 24 years -----	111	—	5	9	20	6	55	14	2	—	427
25 to 34 years -----	515	—	41	39	71	66	147	88	40	23	420
35 to 44 years -----	389	6	38	26	32	95	85	50	17	40	399
45 to 64 years -----	619	32	114	184	96	56	94	21	22	—	294
65 years and over -----	192	39	17	78	16	34	8	—	—	—	276
Female householder, no husband present -----	3 859	271	443	782	677	608	601	253	141	83	332
15 to 24 years -----	36	—	—	12	—	4	14	6	—	—	425
25 to 34 years -----	580	2	62	58	111	106	155	45	33	8	377
35 to 44 years -----	1 004	22	41	183	219	161	160	104	63	51	361
45 to 64 years -----	1 627	104	208	401	282	261	236	70	45	20	318
65 years and over -----	612	143	132	128	65	76	36	28	—	4	262
Median age -----	42.1	57.8	52.6	49.9	44.4	40.0	37.9	37.7	38.2	41.0	...

YEAR HOUSEHOLDER MOVED INTO UNIT

1979 to March 1980 -----	3 636	25	103	164	238	240	907	837	590	532	517
1975 to 1978 -----	11 317	70	318	761	1 166	1 935	3 421	1 895	1 119	632	437
1970 to 1974 -----	B 200	122	280	866	1 418	1 632	2 228	950	499	205	393
1960 to 1969 -----	10 634	290	1 235	2 502	2 511	1 623	1 339	649	299	186	326
1959 or earlier -----	4 795	315	946	1 336	890	495	448	185	131	49	293

ROOMS

1 to 3 rooms -----	233	10	52	51	57	4	39	13	7	—	303
4 rooms -----	1 959	180	369	472	273	286	272	74	15	18	296
5 rooms -----	7 674	251	984	1 789	1 362	1 312	1 346	480	121	29	330
6 rooms -----	11 349	214	885	1 972	2 261	1 920	2 711	962	354	70	359
7 rooms -----	B 689	103	404	962	1 448	1 372	1 994	1 360	771	275	403
8 or more rooms -----	B 678	64	188	383	822	1 031	1 981	1 627	1 370	1 212	494
Median -----	6.3	5.4	5.5	5.8	6.1	6.2	6.4	7.0	7.6	B.3	...

YEAR STRUCTURE BUILT

1975 to March 1980 -----	4 515	20	136	298	319	481	1 289	834	621	517	478
1970 to 1974 -----	4 050	31	56	246	463	618	1 289	660	432	255	446
1960 to 1969 -----	7 687	120	546	1 099	1 372	1 262	1 553	873	521	341	378
1950 to 1959 -----	B 256	210	817	1 583	1 554	1 246	1 667	723	326	130	349
1940 to 1949 -----	3 658	108	337	617	525	650	692	467	198	64	369
1939 or earlier -----	10 416	333	990	1 786	1 990	1 668	1 853	959	540	297	353

VALUE

Less than \$10,000 -----	102	25	12	27	14	9	15	—	—	—	276
\$10,000 to \$19,999 -----	824	133	169	202	164	88	64	4	—	—	277
\$20,000 to \$29,999 -----	4 242	304	780	1 147	886	626	376	81	33	9	295
\$30,000 to \$39,999 -----	9 080	221	1 071	2 108	1 875	1 696	1 606	440	52	11	330
\$40,000 to \$49,999 -----	9 311	56	577	1 401	1 780	1 802	2 312	1 043	284	56	373
\$50,000 to \$59,999 -----	5 622	48	198	492	845	934	1 670	935	428	72	417
\$60,000 to \$79,999 -----	6 017	28	61	175	597	655	1 862	1 309	1 024	306	482
\$80,000 to \$99,999 -----	2 071	7	12	51	55	88	333	569	512	444	586
\$100,000 to \$149,999 -----	1 113	—	2	26	7	23	80	124	294	557	750+
\$150,000 or more -----	200	—	—	—	—	4	25	11	11	149	750+
Median -----	\$45 000	\$27 500	\$34 500	\$36 300	\$40 900	\$42 700	\$49 100	\$57 200	\$6B 700	\$96 300	...

SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979

Less than 15 percent -----	11 022	450	1 635	2 759	2 366	1 436	1 350	547	289	190	314
15 to 19 percent -----	B 630	85	487	1 258	1 689	1 693	1 982	853	416	167	374
20 to 24 percent -----	7 392	89	332	691	1 021	1 162	2 070	1 114	642	271	418
25 to 29 percent -----	4 322	36	132	305	362	625	1 276	774	460	352	453
30 to 34 percent -----	2 449	48	75	160	220	290	665	508	262	221	467
35 percent or more -----	4 644	108	209	440	546	702	979	707	562	391	432
Not computed -----	123	6	12	16	19	17	21	13	7	12	375
Median -----	19.8	13.9	13.9	15.2	17.2	19.5	22.0	23.8	24.8	27.4	...

SELECTED CHARACTERISTICS

Heating equipment -----	38 576	822	2 882	5 623	6 223	5 925	8 343	4 516	2 638	1 604	382
Steam or hot water system -----	22 539	303	1 549	3 287	3 703	3 332	4 959	2 772	1 654	980	386
Central warm-air furnace or electric heat pump -----	B 319	295	786	1 381	1 336	1 328	1 599	788	509	297	364
Other built-in electric units -----	4 378	38	193	417	653	624	1 148	657	364	284	421
Floor, wall, or pipeless furnace -----	2 243	21	25	36	63	36	26	19	17	—	331
Other means -----	3 097	185	329	502	468	605	611	280	94	43	357
Air conditioning -----	12 204	164	795	1 780	2 025	1 786	2 610	1 498	992	554	387
Central system -----	577	—	46	33	48	41	98	100	69	142	522
1 or more individual room units -----	11 627	164	749	1 747	1 977	1 745	2 512	1 398	923	412	384
House heating fuel -----	38 576	822	2 882	5 623	6 223	5 925	8 343	4 516	2 638	1 604	382
Utility gas -----	7 212	235	624	1 178	1 197	1 054	1 328	749	546	301	368
Battled, tank, or LP gas -----	258	27	47	37	46	22	61	11	1	6	320
Electricity -----	4 663	38	207	435	659	668	1				

Table A—6. Selected Monthly Owner Costs for Not Mortgaged Housing Units: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B)

The SMSA	Total	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Median (dollars)
Specified owner-occupied housing units	20 789	14	99	384	884	1 917	6 889	6 235	4 367	202
PERSONS IN UNIT										
1 person	4 291	9	62	161	310	627	1 613	888	621	180
2 persons	9 950	5	14	159	435	938	3 563	2 888	1 948	198
3 persons	3 519	—	19	35	102	223	935	1 323	882	217
4 persons	1 741	—	4	12	25	78	454	698	470	221
5 persons	775	—	—	13	12	31	196	266	257	225
6 persons	352	—	—	4	—	14	83	130	121	229
7 persons	112	—	—	—	—	6	37	19	50	234
8 or more persons	49	—	—	—	—	—	8	23	18	236
Median	2.11	1.28	1.30	1.69	1.80	1.85	2.01	2.27	2.30	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER										
Married-couple families	13 625	—	29	192	426	1 010	4 380	4 403	3 185	209
15 to 24 years	35	—	—	8	—	—	27	—	—	168
25 to 34 years	323	—	—	7	13	27	88	155	33	209
35 to 44 years	691	—	—	20	—	60	178	209	224	221
45 to 64 years	7 212	—	16	65	146	467	2 201	2 501	1 816	214
65 years and over	5 364	—	13	92	267	456	1 886	1 538	1 112	199
Male householder, no wife present	1 733	9	21	65	148	223	548	421	298	187
15 to 24 years	35	—	—	—	—	—	18	10	7	199
25 to 34 years	52	—	5	—	6	11	12	—	18	167
35 to 44 years	99	9	—	—	13	11	16	32	18	201
45 to 64 years	599	—	11	38	65	97	177	154	57	175
65 years and over	948	—	5	27	64	104	325	225	198	192
Female householder, no husband present	5 431	5	49	127	310	684	1 961	1 411	884	189
15 to 24 years	20	—	—	—	5	—	6	9	—	192
25 to 34 years	136	—	—	—	7	20	50	28	31	191
35 to 44 years	115	—	3	5	—	8	23	21	55	244
45 to 64 years	1 725	—	5	37	85	177	715	440	266	189
65 years and over	3 435	5	41	85	213	479	1 167	913	532	188
Median age	64.2	38.9	67.3	65.9	68.1	66.4	64.8	63.1	62.9	...
YEAR HOUSEHOLDER MOVED INTO UNIT										
1979 to March 1980	409	—	12	30	23	33	135	100	76	189
1975 to 1978	1 004	9	5	35	49	112	262	285	247	205
1970 to 1974	1 232	—	3	5	19	99	382	415	309	213
1960 to 1969	3 574	5	18	80	100	269	1 020	1 054	1 028	214
1959 or earlier	14 570	—	61	234	693	1 404	5 090	4 381	2 707	198
ROOMS										
1 to 3 rooms	386	9	20	38	63	102	101	34	19	140
4 rooms	2 178	—	33	105	219	391	897	409	124	169
5 rooms	5 633	—	17	63	316	584	2 341	1 612	700	189
6 rooms	6 671	5	29	144	165	583	2 257	2 190	1 298	203
7 rooms	3 218	—	—	23	70	156	798	1 151	1 020	224
8 or more rooms	2 703	—	—	11	51	101	495	839	1 206	241
Median	5.8	2.3	4.4	5.3	5.0	5.3	5.5	6.0	6.5	...
YEAR STRUCTURE BUILT										
1975 to March 1980	245	—	5	8	14	20	36	105	57	219
1970 to 1974	494	—	—	—	—	28	142	172	152	222
1960 to 1969	1 908	—	21	50	67	127	536	517	590	215
1950 to 1959	6 608	—	11	63	137	472	2 108	2 419	1 398	211
1940 to 1949	2 927	—	15	49	144	278	1 018	881	542	198
1939 or earlier	8 607	14	47	214	522	992	3 049	2 141	1 628	191
VALUE										
Less than \$10,000	418	9	20	55	67	79	145	20	23	143
\$10,000 to \$19,999	1 590	—	28	88	210	315	638	251	60	162
\$20,000 to \$29,999	4 568	5	15	116	290	682	1 908	1 042	510	181
\$30,000 to \$39,999	5 685	—	22	51	181	435	2 355	1 863	778	196
\$40,000 to \$49,999	4 276	—	9	31	114	294	1 222	1 743	863	213
\$50,000 to \$59,999	2 053	—	—	31	17	77	411	745	772	233
\$60,000 to \$79,999	1 505	—	5	12	5	34	165	476	808	250+
\$80,000 to \$99,999	408	—	—	—	—	—	33	88	287	250+
\$100,000 to \$149,999	216	—	—	—	—	1	12	2	201	250+
\$150,000 or more	70	—	—	—	—	—	—	5	65	250+
Median	\$36 400	\$10000—	\$23 100	\$23 500	\$25 600	\$27 900	\$32 900	\$39 600	\$49 400	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979										
Less than 10 percent	6 037	14	39	119	253	562	2 108	1 773	1 169	198
10 to 14 percent	4 936	—	12	74	151	400	1 516	1 703	1 080	209
15 to 19 percent	2 895	—	11	72	177	281	907	833	614	200
20 to 24 percent	1 838	—	6	51	92	152	625	528	384	199
25 to 29 percent	1 201	—	11	16	58	106	440	313	257	197
30 to 34 percent	763	—	14	—	38	92	219	236	164	204
35 percent or more	2 960	—	2	34	102	324	1 027	795	676	200
Not computed	159	—	4	18	13	—	47	54	23	197
Median	14.3	10—	13.5	14.3	15.9	15.0	14.3	13.9	14.6	...
SELECTED CHARACTERISTICS										
Housing equipment	20 773	5	99	384	884	1 917	6 882	6 235	4 367	202
Steam or hot water system	14 237	5	18	127	459	930	4 425	4 849	3 424	212
Central warm-air furnace or electric heat pump	4 324	—	20	95	243	681	1 731	981	573	182
Other built-in electric units	786	—	4	30	21	60	226	189	256	214
Floor, wall, or pipeless furnace	213	—	—	15	25	48	88	32	5	161
Other means	1 213	—	57	117	136	198	412	184	109	162
Air conditioning	6 296	—	10	44	132	473	2 012	2 062	1 563	212
Central system	370	—	—	—	8	26	69	57	210	250+
1 or more individual room units	5 926	—	10	44	124	447	1 943	2 005	1 353	210
House heating fuel	20 773	5	99	384	884	1 917	6 882	6 235	4 367	202
Utility gas	3 464	—	16	71	135	451	1 353	951	487	189
Bottled, tank, or LP gas	318	—	15	37	48	38	127	29	24	158
Electricity	838	—	4	30	29	72	234	194	275	213
Fuel oil, kerosene, etc.	15 664	5	41	199	634	1 285	4 950	4 986	3 564	207
Other	489	—	23	47	38	71	218	75	17	165

Table A—7. Year Structure Built for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

The SMSA

	Owner-occupied housing units						Renter-occupied housing units					
	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier
	Occupied housing units	76 536	5 502	5 459	10 773	23 941	30 861	54 301	3 174	7 990	5 246	8 421	29 470
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families	57 808	4 961	4 743	8 929	18 421	20 754	20 641	845	2 747	1 806	3 303	11 940
15 to 24 years	761	115	42	101	187	316	2 586	63	387	267	615	1 254
25 to 34 years	11 217	2 555	1 501	1 262	2 610	3 289	6 447	206	813	539	1 234	3 655
35 to 44 years	12 229	1 355	1 824	2 669	2 800	3 581	2 664	114	239	179	434	1 698
45 to 64 years	24 361	795	1 186	4 068	9 504	8 808	5 220	116	590	438	664	3 412
65 years and over	9 240	141	190	829	3 320	4 760	3 724	346	718	383	356	1 921
Male householder, no wife present	5 513	211	304	540	1 653	2 805	10 713	591	1 471	949	1 564	6 138
15 to 24 years	218	10	7	28	107	66	2 347	106	305	171	421	1 344
25 to 34 years	908	93	85	89	304	337	2 942	140	434	298	454	1 616
35 to 44 years	839	75	97	84	178	405	1 395	67	187	126	190	825
45 to 64 years	1 877	23	95	216	563	980	2 243	87	267	178	303	1 408
65 years and over	1 671	10	20	123	501	1 017	1 786	191	278	176	196	945
Female householder, no husband present	13 215	330	412	1 304	3 867	7 302	22 947	1 738	3 772	2 491	3 554	11 392
15 to 24 years	87	26	17	—	28	16	3 001	108	317	216	740	1 620
25 to 34 years	945	98	79	155	260	353	4 768	188	718	464	1 115	2 283
35 to 44 years	1 462	119	110	316	393	524	2 369	116	360	234	478	1 181
45 to 64 years	4 603	65	150	571	1 675	2 142	4 797	294	644	360	526	2 973
65 years and over	6 118	22	56	262	1 511	4 267	8 012	1 032	1 733	1 217	695	3 335
Median age	51.7	34.6	39.2	47.2	55.1	56.8	42.5	64.6	49.0	48.8	33.4	42.6
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980	5 299	1 603	405	635	1 125	1 531	16 557	1 318	2 646	1 431	3 067	8 095
1975 to 1978	15 043	3 899	1 478	1 959	3 544	4 163	19 454	1 856	3 068	2 145	2 946	9 439
1970 to 1974	11 750	—	3 576	1 540	2 671	3 963	8 371	—	2 276	886	1 077	4 132
1960 to 1969	17 413	—	—	6 639	4 813	5 961	5 055	—	—	784	747	3 524
1959 or earlier	27 031	—	—	—	11 788	15 243	4 864	—	—	—	584	4 280
ROOMS												
1 room	58	5	6	—	4	43	1 523	34	288	289	260	652
2 rooms	121	2	7	31	13	68	3 923	659	1 361	619	320	964
3 rooms	924	57	75	123	244	425	9 170	1 364	1 999	1 207	1 254	3 346
4 rooms	6 594	335	354	766	2 593	2 546	14 402	718	2 831	1 801	2 661	6 391
5 rooms	18 216	1 143	1 024	2 650	7 068	6 331	13 522	245	1 053	911	2 198	9 115
6 rooms	23 014	1 503	1 139	3 089	7 938	9 345	8 705	93	296	210	1 228	6 878
7 or more rooms	27 609	2 457	2 854	4 114	6 081	12 103	3 056	61	162	209	500	2 124
Median	6.0	6.3	6.6	6.1	5.8	6.1	4.4	3.2	3.6	3.8	4.4	4.9
PLUMBING FACILITIES BY PERSONS PER ROOM												
Complete plumbing for exclusive use	75 904	5 488	5 447	10 748	23 858	30 363	52 945	3 152	7 896	5 184	8 147	28 566
0.50 or less	47 345	2 956	2 809	5 787	15 309	20 484	34 470	2 305	5 142	3 409	4 616	18 998
0.51 to 1.00	27 328	2 498	2 526	4 745	8 120	9 439	17 191	805	2 548	1 703	3 222	8 913
1.01 to 1.50	1 119	29	105	180	415	390	1 059	38	174	42	266	539
1.51 or more	112	5	7	36	14	50	225	4	32	30	43	116
Locking complete plumbing for exclusive use	632	14	12	25	83	498	1 356	22	94	62	274	904
0.50 or less	415	14	7	20	37	337	630	22	51	9	135	413
0.51 to 1.00	201	—	5	36	155	659	—	32	43	126	458	—
1.01 to 1.50	16	—	—	—	10	6	41	—	11	10	6	14
1.51 or more	—	—	—	—	—	—	26	—	—	—	7	19
PERSONS IN UNIT												
1 person	9 701	231	313	745	2 780	5 632	20 699	1 863	3 709	2 432	2 576	10 119
2 persons	24 248	1 286	1 212	2 891	8 910	9 949	16 244	883	2 460	1 566	2 418	8 917
3 persons	14 448	1 204	917	2 104	4 811	5 412	7 857	202	901	597	1 559	4 598
4 persons	14 751	1 700	1 593	2 613	4 062	4 783	5 299	117	533	380	1 040	3 229
5 persons	8 400	782	930	1 592	2 141	2 955	2 523	49	232	130	487	1 625
6 or more persons	4 988	299	494	828	1 237	2 130	1 679	60	155	141	341	982
Median	2.80	3.52	3.68	3.33	2.56	2.48	1.90	1.35	1.62	1.62	2.18	2.02
Total persons	238 112	19 123	19 944	37 133	69 508	92 404	119 996	5 283	15 235	10 178	20 718	68 582
UNITS IN STRUCTURE												
1, detached or ottoched	64 584	5 219	4 934	10 278	22 918	21 235	5 439	146	364	640	1 854	2 435
2	5 930	47	120	190	677	4 896	8 751	93	206	493	1 731	6 228
3 and 4	4 617	12	23	26	200	4 356	18 845	268	389	601	2 491	15 096
5 to 9	432	48	41	18	60	265	7 638	403	1 133	787	1 494	3 821
10 to 49	349	82	121	16	49	81	8 357	968	3 583	1 682	632	1 492
50 or more	54	13	16	9	4	12	5 089	1 271	2 284	996	173	365
Mobile home or trailer, etc.	570	81	204	236	33	16	182	25	31	47	46	33
SELECTED CHARACTERISTICS												
Housing equipment	76 485	5 496	5 459	10 773	23 941	30 816	54 244	3 174	7 984	5 246	8 421	29 419
Steam or hot water system	47 064	2 538	1 640	6 181	15 203	21 502	22 612	974	2 089	1 892	4 435	13 222
Central warm-air furnace or electric heat pump	15 910	1 087	1 255	2 107	6 511	4 950	9 611	940	2 273	1 474	3 472	—
Other built-in electric units	5 964	1 227	2 050	1 695	548	444	6 699	1 172	3 189	1 494	392	452
Floor, wall, or pipeless furnace	567	15	24	98	197	233	493	9	123	75	85	201
Other means	6 980	629	490	692	1 482	3 687	14 829	79	310	311	2 057	12 072
Air conditioning	23 820	1 454	1 288	3 805	7 780	8 653	14 698	1 803	4 896	2 235	1 352	4 412
Central system	1 435	251	282	333	287	3 473	724	1 678	649	149	273	—
1 or more individual room units	22 385	1 203	1 846	3 523	7 447	8 366	11 225	1 079	3 218	1 586	1 203	4 139
House heating fuel	76 485	5 496	5 459	10 773	23 941	30 816	54 244	3 174	7 984	5 246	8 421	29 419
Utility gas	16 541	715	924	1 763	3 264	9 875	24 034	923	2 316	1 467	3 143	16 185
Bottled, tank, or LP gas	710	6	27	68	228	381	1 109	20	55	55	278	701
Electricity	6 494	1 386	2 236	1 816	578	478	8 889	1 583	4 106	1 977	620	603
Fuel oil, kerosene, etc.	49 102	2 846	1 832	6 552	18 925	18 947	19 847	637	1 484	1 718	4 301	11 707
Other	3 638	543	440	574	946	1 135	365	11	23	29	79	223
Income in 1979 below poverty level	3 576	191	194	447	920	1 824	9 370	534	1 142	696	1 843	5 155
Percent below poverty level	4.7	3.5	3.6	4.1	3.8	5.9	17.3	16.8	14.3	13.3	21.9	17.5
HOUSEHOLD INCOME IN 1979												
Less than \$5,000	4 761	163	207	411	1 288	2 692	12 359	1 147	1 965	1 386	1 806	6 055
\$5,000 to \$9,999	7 951	211	204	797	2 465	4 274	11 893	873	1 744	1 030	1 770	6 476
\$10,000 to \$12,499	4 369	207	107	413	1 385	2 257	5 928	270	754	481	1 064	3 359
\$12,500 to \$14,999	4 191	217	235	466	1 381	1 892	4 921	166	708	408	888	2 751
\$15,000 to \$19,999	11 306	816	797	1 409	3 554	4 730	8 008	293	1 003	682	1 409	4 621
\$20,000 to \$24,999	12 5											

Table A—8. Units in Structure for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8.]

The SMSA

Occupied housing units
Condominium housing units

HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER

Married-couple families

	Owner-occupied housing units				Renter-occupied housing units							
	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or attached	2 units	3 and 4 units	5 to 9 units	10 to 49 units	50 or more units	Mobile home or trailer, etc.
Occupied housing units	76 536	64 584	11 382	570	54 301	5 439	8 751	18 845	7 638	8 357	5 089	182
Condominium housing units	382	110	272	—	168	12	9	—	12	65	70	—

Male householder, no wife present

15 to 24 years	57 808	50 388	7 074	346	20 641	2 711	4 239	7 921	2 083	2 613	1 024	50
25 to 34 years	761	638	108	15	2 586	196	531	1 013	318	474	52	2
35 to 44 years	11 217	10 175	1 011	31	6 447	924	1 382	2 555	618	849	110	9
45 to 64 years	12 229	11 195	998	36	2 664	428	629	1 021	279	236	60	11
65 years and over	24 361	21 045	3 175	141	5 220	839	1 020	2 110	508	476	242	25

15 to 24 years	9 240	7 335	1 782	123	3 724	324	677	1 222	360	578	560	3
25 to 34 years	5 513	4 068	1 356	89	10 713	1 023	1 264	3 232	1 924	2 120	1 069	81
35 to 44 years	218	161	57	—	2 347	137	235	866	502	461	136	10
45 to 64 years	908	671	233	4	2 942	341	343	957	525	568	194	14
65 years and over	839	569	250	20	1 395	108	159	378	310	347	81	12

Female householder, no husband present	1 877	1 391	451	35	2 243	290	331	550	344	482	207	39
15 to 24 years	1 671	1 276	365	30	1 786	147	196	481	243	262	451	6
25 to 34 years	13 215	10 128	2 952	135	22 947	1 705	3 248	7 692	3 631	3 624	2 996	51
35 to 44 years	87	63	24	—	3 001	211	385	1 230	664	431	71	9
45 to 64 years	945	751	166	28	4 768	401	649	1 702	877	970	164	5
65 years and over	1 462	1 215	240	7	2 369	269	328	890	432	315	118	17

Median age	51.7	50.7	57.2	58.4	42.5	40.9	42.3	39.2	37.6	39.3	45.3	—	
YEAR HOUSEHOLDER MOVED INTO UNIT	1979 to March 1980	5 299	4 405	805	89	16 557	1 568	2 343	5 380	2 782	3 220	1 192	72
1975 to 1978	15 043	13 318	1 509	216	19 454	1 730	2 808	6 377	2 603	3 409	2 449	78	
1970 to 1974	11 750	10 147	1 451	152	8 371	790	1 345	2 460	1 269	1 233	1 254	20	
1960 to 1969	17 413	15 316	2 001	96	5 055	592	1 010	2 235	631	391	184	12	
1959 or earlier	27 031	21 398	5 616	17	4 864	759	1 245	2 393	353	104	—	—	

ROOMS

1 room	58	23	31	4	1 523	73	26	94	211	467	639	13
2 rooms	121	76	31	14	3 923	104	100	425	739	1 013	1 509	33
3 rooms	924	576	280	68	9 170	438	994	2 060	1 684	2 113	1 839	42
4 rooms	6 594	4 557	1 744	293	14 402	1 114	2 430	3 971	2 667	3 321	824	75
5 rooms	18 216	14 259	3 818	139	13 522	1 365	2 842	6 281	1 668	1 157	190	19
6 rooms	23 014	19 465	3 510	39	8 705	1 112	1 746	5 159	484	155	49	—
7 or more rooms	27 609	25 628	1 968	13	3 056	1 233	613	855	185	131	39	—
Median	6.0	6.2	5.4	4.2	4.4	5.2	4.8	5.0	3.9	3.7	2.7	3.5

PLUMBING FACILITIES BY PERSONS PER ROOM

Complete plumbing for exclusive use	75 904	64 345	10 991	568	52 945	5 373	8 564	18 538	7 375	7 983	4 936	176
0.50 or less	47 345	39 690	7 202	453	34 470	3 160	5 510	12 085	4 675	5 383	3 548	109
0.51 to 1.00	27 328	23 660	3 555	113	17 191	2 063	2 832	6 001	2 463	2 459	1 306	67
1.01 to 1.50	1 119	909	208	2	1 059	134	196	381	203	115	30	—

Locking complete plumbing for exclusive use	632	239	391	2	1 356	66	187	307	263	374	153	6
0.50 or less	415	180	233	2	630	51	160	183	126	80	24	—
0.51 to 1.00	201	49	152	—	659	9	27	110	106	278	129	—
1.01 to 1.50	16	10	6	—	41	6	—	14	16	5	—	—
1.51 or more	—	—	—	—	26	—	—	—	15	11	—	—

BEDROOMS

None	75	34	37	4	1 674	73	26	112	223	528	699	13
1	3 224	2 223	887	114	15 931	787	1 863	3 493	3 079	3 431	3 207	71
2	19 687	14 785	4 534	368	21 266	1 908	4 042	7 511	2 878	3 814	1 034	79
3	38 025	33 101	4 846	78	13 105	1 867	2 476	6 934	1 162	504	149	13
4	12 536	11 769	761	6	1 892	601	291	694	239	61	—	6
5 or more	2 989	2 672	317	—	433	203	53	101	57	19	—	—

HOUSEHOLD INCOME IN 1979

Less than \$5,000	4 761	3 566	1 114	81	12 359	949	1 336	3 856	2 163	1 730	2 298	27
\$5,000 to \$9,999	7 951	5 889	1 972	90	11 893	905	1 765	4 194	1 787	1 794	1 420	28
\$10,000 to \$12,499	4 369	3 380	914	75	5 928	609	960	2 267	917	923	244	8
\$12,500 to \$14,999	4 191	3 371	785	35	4 921	464	907	1 888	628	835	182	17
\$15,000 to \$19,999	11 306	9 379	1 796	131	8 008	772	1 561	2 967	1 120	1 263	294	31
\$20,000 to \$24,999	12 514	10 783	1 646	85	5 433	750	1 138	1 883	452	918	251	41
\$25,000 to \$34,999	17 698	15 600	2 048	50	4 096	652	761	1 348	393	684	228	30
\$35,000 to \$49,999	9 876	9 016	837	23	1 343	250	280	379	163	156	115	—
\$50,000 or more	3 870	3 600	270	88	320	88	43	63	15	54	57	—

Median	22 129	23 014	\$17 625	\$15 156	\$11 222	\$13 882	\$13 367	\$11 514	\$9 574	\$11 773	\$5 656	\$16 833
Mean	24 194	25 175	\$19 063	\$15 436	\$13 116	\$16 375	\$14 664	\$12 970	\$11 306	\$13 317	\$9 808	\$15 711

SELECTED CHARACTERISTICS

Heating equipment	76 485	64 562	11 353	570	54 244	5 437	8 745	18 802	7 632	8 357	5 089	182

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Table A—9. Owner- and Renter-Occupied Housing Units by Size of Household: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and 8.)

The SMSA

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
Owner-occupied housing units	76 536	9 701	24 248	14 448	14 751	8 400	3 233	1 152	603	2.80	238 112
Nonrelatives present	1 845	—	707	453	281	169	97	62	76	2.98	6 508
ROOMS											
1 to 3 rooms	1 103	593	386	77	28	19	—	—	—	1.43	1 859
4 rooms	6 594	1 787	3 239	955	464	123	20	6	—	1.97	13 818
5 rooms	18 216	2 734	7 154	3 460	3 037	1 371	394	48	18	2.39	49 340
6 rooms	23 014	2 758	7 392	4 660	4 740	2 204	897	260	103	2.79	70 426
7 rooms	14 069	1 007	3 415	2 872	3 301	2 199	819	287	169	3.41	49 760
8 or more rooms	13 540	822	2 662	2 424	3 181	2 484	1 103	551	313	3.77	52 909
Median	6.0	5.4	5.7	6.1	6.3	6.7	6.9	7.4	7.6	...	...
PLUMBING FACILITIES BY PERSONS PER ROOM											
Complete plumbing for exclusive use	75 904	9 555	24 048	14 308	14 679	8 343	3 222	1 152	597	2.80	236 370
1.00 or less	74 673	9 555	24 035	14 300	14 651	8 211	2 808	838	275	2.76	228 320
1.01 to 1.50	1 119	—	—	8	22	113	414	308	254	6.51	7 193
1.51 or more	112	—	13	—	6	19	—	6	68	8.50	857
Locking complete plumbing for exclusive use	632	146	200	140	72	57	11	—	6	2.35	1 742
1.00 or less	616	146	200	140	72	47	11	—	—	2.31	1 679
1.01 to 1.50	16	—	—	—	—	10	—	—	6	5.30	63
1.51 or more	—	—	—	—	—	—	—	—	—	—	—
UNITS IN STRUCTURE											
1, detached or attached	64 584	7 054	19 959	12 491	13 068	7 662	2 846	985	519	2.92	203 266
2 or more	11 382	2 485	3 999	1 871	1 672	719	385	167	84	2.30	33 615
Mobile home or trailer, etc.	570	162	290	86	11	19	2	—	—	1.92	1 231
VALUE											
Specified owner-occupied housing units	59 371	6 396	18 147	11 460	12 115	7 194	2 679	905	475	2.95	185 767
Less than \$10,000	520	195	138	81	30	59	15	—	2	1.97	1 251
\$10,000 to \$19,999	2 414	556	917	414	251	151	80	28	17	2.21	5 923
\$20,000 to \$29,999	8 810	1 779	3 228	1 491	1 057	779	291	110	75	2.31	22 474
\$30,000 to \$39,999	14 765	1 687	4 822	2 798	2 857	1 514	728	214	145	2.81	44 549
\$40,000 to \$49,999	13 587	1 199	4 098	2 693	2 930	1 725	635	216	91	3.06	43 973
\$50,000 to \$59,999	7 675	514	2 136	1 645	1 913	968	336	103	60	3.22	25 869
\$60,000 to \$79,999	7 522	344	1 857	1 588	1 952	1 182	398	161	40	3.48	26 544
\$80,000 to \$99,999	2 479	61	596	388	754	461	120	54	45	3.76	9 252
\$100,000 to \$149,999	1 329	40	280	311	351	266	62	19	—	3.60	4 825
\$150,000 or more	270	21	75	51	20	89	14	—	—	3.26	1 107
Median	\$42 100	\$33 400	\$39 900	\$43 300	\$46 100	\$46 400	\$43 200	\$43 800	\$39 900	...	...
SELECTED CHARACTERISTICS											
All income levels in 1979	76 536	9 701	24 248	14 448	14 751	8 400	3 233	1 152	603	2.80	238 112
Median income	\$22 129	\$8 018	\$19 617	\$25 056	\$25 628	\$27 184	\$28 453	\$27 784	\$31 462	...	...
Median selected monthly owner costs as percentage of household income	18.3	31.3	17.3	16.3	18.6	18.0	17.4	17.5	16.1	...	...
With a mortgage	19.8	32.1	19.5	19.2	20.2	18.9	18.4	18.7	16.0	...	...
Not mortgaged	14.3	30.6	14.7	10.7	10—	10—	10.1	10—	20.8	...	...
Income in 1979 below poverty level	3 576	1 307	837	430	552	259	110	35	46	2.07	...
Median income	\$3 283	\$2 629	\$3 066	\$3 455	\$4 692	\$5 208	\$7 782	\$8 882	\$9 141	...	...
Median selected monthly owner costs as percentage of household income	50+	50+	50+	50+	50+	50+	50+	50+	30.7	...	...
With a mortgage	50+	50+	50+	50+	50+	50+	50+	50+	48.8	...	...
Not mortgaged	50+	50+	50+	50+	50+	42.7	—	—	28.3	...	...
Renter-occupied housing units	54 301	20 699	16 244	7 857	5 299	2 523	921	569	189	1.90	119 996
Nonrelatives present	4 777	—	2 871	1 011	501	251	88	51	4	2.33	12 800
ROOMS											
1 room	1 523	1 409	101	13	—	—	—	—	—	1.04	1 602
2 rooms	3 923	3 247	644	19	10	3	—	—	—	1.10	4 614
3 rooms	9 170	6 363	2 301	384	101	14	—	7	—	1.22	12 325
4 rooms	14 402	5 058	5 756	2 289	1 042	192	37	28	—	1.87	28 219
5 rooms	13 522	3 009	4 441	2 756	1 855	1 021	295	86	59	2.34	35 287
6 rooms	8 705	1 297	2 262	1 780	1 700	939	378	293	56	2.95	27 273
7 or more rooms	3 056	316	739	616	591	354	211	155	74	3.27	10 676
Median	4.4	3.4	4.4	4.9	5.3	5.5	5.8	6.1	6.1	...	...
PLUMBING FACILITIES BY PERSONS PER ROOM											
Complete plumbing for exclusive use	52 945	19 837	15 969	7 746	5 235	2 519	903	547	189	1.92	117 749
1.00 or less	51 661	19 837	15 894	7 714	5 129	2 310	585	155	37	1.88	110 216
1.01 to 1.50	1 059	—	—	19	96	192	318	357	77	6.20	6 366
1.51 or more	225	—	75	13	10	17	—	35	75	5.35	1 167
Locking complete plumbing for exclusive use	1 356	862	275	111	64	4	18	22	—	1.29	2 247
1.00 or less	1 289	862	249	111	59	4	4	—	—	1.25	1 963
1.01 to 1.50	41	—	—	—	5	—	14	22	—	6.57	240
1.51 or more	26	—	26	—	—	—	—	—	—	2.00	44
UNITS IN STRUCTURE											
1, detached or attached	5 439	1 334	1 585	987	808	461	115	103	46	2.37	14 397
2	8 751	2 670	2 783	1 509	1 053	447	195	54	40	2.11	20 804
3 and 4	18 845	5 749	5 798	3 334	2 152	1 095	414	235	68	2.13	45 557
5 to 9	7 638	3 226	2 235	857	715	336	118	135	16	1.77	16 453
10 to 49	8 357	4 019	2 662	938	450	161	71	42	14	1.56	15 515
50 or more	5 089	3 623	1 106	203	121	23	8	—	5	1.20	6 958
Mobile home or trailer, etc.	182	78	75	29	—	—	—	—	—	1.67	312
GROSS RENT											
Specified renter-occupied housing units	53 652	20 515	16 105	7 727	5 235	2 434	921	526	189	1.89	118 260
Less than \$100	5 014	3 616	583	368	215	184	28	4	16	1.19	7 843
\$100 to \$149	4 703	2 628	1 219	389	266	103	23	50	25	1.39	8 571
\$150 to \$199	9 453	3 820	3 217	1 162	782	306	79	57	30	1.78	19 212
\$200 to \$249	12 755	4 562	3 873	1 988	1 460	554	214	85	19	1.97	28 317
\$250 to \$299	9 312	2 868	2 765	1 697	986	546	227	182	41	2.15	22 721
\$300 to \$349	5 991	1 517	2 256	1 007	630	354	134	76	17	2.16	14 441
\$350 to \$399	2 512	521	867	447	389	149	102	30	7	2.35	6 678
\$400 to \$449	1 495	255	620	285	185	84	25	24	17	2.29	4 025
\$500 or more	542	84	119	77	104	76	55	10	17	3.38	1 912
No cash rent	1 875	644	586	307	218	78	34	8	—	2.00	4 540
Median	\$225	\$198	\$235	\$245	\$243	\$253	\$268	\$264	\$256	...	...
SELECTED CHARACTERISTICS											
All income levels in 1979	54 301	20 699	16 244	7 857	5 299	2 523	921	569	189	1.90	119 996
Median income	\$11 222	\$6 621	\$13 722	\$14 518	\$15 220	\$15 391	\$17 369	\$14 023	\$13 750	...	...
Median gross rent as percentage of household income	23.5	27.7	20.9	21.3	20.5	20.1	18.7	19.1	17.2	...	...
Income in 1979 below poverty level	9 370	3 561	1 974	1 523	1 076	720	192	232	92	2.07	...
Median income	\$3 471	\$2500	\$3 559	\$3 855	\$4 352	\$5 568	\$6 694	\$7 375	\$9 653	...	...
Median gross rent as percentage of household income	50+	50+	50+	50+	50+	44.8	50+	43.2	27.1	...	...

Table A-10. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see *Introduction*. For meaning of symbols, see *Introduction*. For definitions of terms, see *Appendices A and B*.]

	Married-couple families						Male householder, no wife present						Female householder, no husband present						Median age
	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over		15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over		15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over		
Total	76 536	7 611	11 217	12 229	24 361	9 240	218	908	839	1 877	1 671	87	945	1 462	4 693	6 118	51.7		
9 701	—	—	—	—	—	—	105	541	429	962	1 109	43	219	225	1 940	4 153	66.4		
24 248	342	2 365	865	8 796	7 194	—	46	194	176	573	389	33	257	225	1 347	1 426	61.3		
14 448	214	2 610	1 378	1 485	1 485	43	17	109	136	214	94	8	296	405	753	406	51.6		
14 751	1 155	4 095	4 317	4 745	3 556	17	29	19	96	43	118	—	326	201	127	36	40.5		
8 400	40	1 684	3 366	2 675	1 116	2	26	28	16	36	3	44	201	11	88	13	41.5		
4 988	—	4 463	2 303	1 848	5	51	16	16	1.25	1.52	1.25	1.25	2.49	3.26	1.76	1.24	43.4		
238 112	2 680	2 688	3 656	4 400	3 048	2.14	1.59	1.34	1.48	3 380	2 678	2 397	1.57	4 992	9 514	9 053	—	45.4	
75 904	745	11 166	12 190	24 240	9 114	218	903	819	1 855	1 615	77	934	1 455	20	4 557	6 016	51.6		
1 231	—	148	489	478	28	121	5	5	25	8	22	—	11	7	17	13	43.8		
1632	16	51	39	10	—	6	—	—	—	—	—	—	—	—	46	102	61.8		
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.0		
59 371	608	9 620	10 392	19 291	6 611	146	567	488	1 218	1 140	56	716	1 119	3 352	4 047	50.3			
38 582	573	9 297	9 701	12 079	1 247	111	515	389	619	192	50	580	36	1 627	612	42.1			
11 022	570	931	2 576	6 245	290	21	63	67	239	117	31	3	37	87	317	48.8			
8 630	114	2 020	2 758	2 642	274	9	79	103	117	31	38	72	32	193	48	41.7			
7 332	146	2 838	2 635	1 480	212	27	70	68	95	38	7	46	115	52	32	37.1			
4 322	432	1 657	1 067	710	145	7	138	55	73	—	—	57	30	109	92	36.8			
2 449	74	872	575	319	98	12	65	32	25	43	30	4	344	106	131	60	40.6		
4 644	109	992	632	659	222	35	100	65	64	43	22	—	18	12	503	331	38.6		
123	5	19.8	23.0	19.1	14.7	38	24	6	5	—	—	—	50+	35.4	115	25.0	44.2		
24 1	323	323	691	7 212	21.3	247	52	20	17.9	20	136	115	115	1 725	3 435	320	59.3		
75 789	35	6 037	42	98	266	917	—	15	47	209	129	—	11	15	276	461	62.2		
2 895	6	4 936	7	128	275	2 005	1	214	20	14	150	5	20	14	294	299	65.7		
1 838	—	66	65	768	1 078	28	6	29	86	147	—	20	3	193	363	69.2			
1 201	—	18	29	340	767	—	—	—	11	87	—	10	10	13	126	131	69.8		
763	—	6	24	128	466	—	5	9	82	6	11	7	11	74	234	71.4	71.4		
2 960	—	7	7	77	253	—	—	21	79	—	7	40	49	270	1 427	72.8	72.8		
159	—	32	32	166	641	7	6	—	71	249	—	25	9	31	45	70.9	70.9		
143	10—	12.5	11.4	10—	17.5	18.1	—	12.3	10.9	22.0	25.4	7	23.4	31.1	16.9	29.5	...		
54 301	2 56	6 447	2 664	5 220	3 724	2 347	2 942	1 395	2 243	1 786	3 001	4 768	2 369	4 797	8 012	42.5	42.5		
20 699	1	—	—	—	1	132	1 954	1 024	1 723	1 580	1 028	1 798	581	2 948	6 931	59.8			
16 244	1	272	2 043	332	2 483	—	3 142	733	261	312	161	1 155	1 249	439	1 022	903	43.8		
7 857	847	1 802	469	1 447	318	161	57	142	33	32	36	593	817	470	394	104	32.5		
5 299	39	1 614	758	806	104	122	69	10	10	26	6	150	492	411	271	38	34.1		
2 523	44	763	569	344	7	39	11	10	10	8	3	65	265	260	90	28	35.8		
1 659	2	225	536	385	24	1.56	1.25	1.18	1.15	1.07	1.10	1.47	2.08	2.08	72	8	40.3		
119 996	6 947	21 095	11 513	15 580	8 026	4 305	4 250	1 990	2 932	2 023	6 128	1 971	1 971	2.85	1 0 636	8 084	9 267	95.4	
52 945	2 51	6 366	2 630	5 169	3 708	2 238	2 859	1 319	2 103	1 634	2 877	4 704	2 319	4 667	7 851	42.5			
1 284	57	228	364	34	250	16	109	83	76	12	8	119	64	40	130	161	37.9		
1 336	85	81	9	17	5	11	—	—	—	140	124	15	—	—	—	161	43.0		
67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40.8		
53 652	2 54	6 343	2 580	5 121	3 682	2 340	2 912	1 391	2 179	1 766	2 994	4 731	2 344	4 763	7 952	42.5			
10 831	640	2 032	529	893	601	315	324	713	279	347	306	626	829	753	560	37.3			
8 752	511	952	308	641	407	479	281	275	206	244	360	892	405	559	615	41.7			
5 690	266	606	220	362	522	281	275	216	205	206	254	313	612	523	877	43.1			
5 136	136	144	273	301	144	273	301	163	163	163	163	114	184	341	333	562	43.2		
5 817	171	374	145	265	501	197	89	196	196	196	196	196	196	349	382	694	1 131		
8 045	155	390	160	206	285	148	141	177	192	192	192	192	192	942	959	1 942	43.3		
2 645	159	146	332	233	141	177	177	161	180	180	180	180	180	107	125	107	472		
23.5	20.3	18.5	17.7	15.8	24.2	26.0	24.4	20.2	20.2	20.2	20.2	20.2	20.2	20.2	27.5	28.8	27.6		

The SMSA

PERSONS IN UNIT	
1 person	person
2 persons	persons
3 persons	persons
4 persons	persons
5 persons	persons
or more persons	persons
Median	persons
Total	persons

MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD

1 person .. 2 persons ..

GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979

Table A-11. Age and Sex of Householder in One-Person Households for Owner- and Renter-Occupied Housing Units: 1980

The SMSA

Owner-occupied housing units -----

PLUMBING FACILITIES

Complete plumbing for exclusive use -----

Locking complete plumbing for exclusive use -----

UNITS IN STRUCTURE

1, detached or attached -----

2 or more -----

Mobile home or trailer, etc. -----

HOUSEHOLD INCOME IN 1979

Less than \$5,000 -----

\$5,000 to \$9,999 -----

\$10,000 to \$12,499 -----

\$12,500 to \$14,999 -----

\$15,000 to \$19,999 -----

\$20,000 to \$24,999 -----

\$25,000 to \$34,999 -----

\$35,000 to \$49,999 -----

\$50,000 or more -----

Median -----

Mean -----

9 701 3 146 105 541 429 962 1 109 6 555 43 219 200 1 940 4 153

9 555 3 089 105 536 415 940 1 093 6 466 38 208 200 1 928 4 092

146 57 - 5 14 22 16 89 5 11 200 12 4092 61

7 054 2 252 71 371 272 691 847 4 802 37 154 142 1 514 2 955

2 485 820 34 166 139 244 237 1 665 6 55 58 397 1 149

162 74 - 4 18 27 25 88 - 10 29 49

1 189 686 38 206 120 224 98 503 - 49 42 243

111 55 - - 18 37 - 56 - - 31 25

83 66 - 15 18 19 14 17 - - 11 6

\$8 018 \$13 800 \$13 750 \$17 337 \$18 246 \$15 796 \$7 997 \$6 413 \$6 181 \$11 941 \$10 172 \$9 466 \$4 988

\$10 574 \$15 101 \$12 351 \$18 743 \$21 463 \$16 306 \$10 078 \$8 402 \$8 855 \$11 420 \$10 882 \$10 926 \$6 940

MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS

Specified owner-occupied housing units -----

With a mortgage -----

Less than \$200 -----

\$200 to \$249 -----

\$250 to \$299 -----

\$300 to \$349 -----

\$350 to \$399 -----

\$400 to \$499 -----

\$500 to \$599 -----

\$600 to \$749 -----

\$750 or more -----

Median -----

Not mortgaged -----

Less than \$50 -----

\$50 to \$74 -----

\$75 to \$99 -----

\$100 to \$124 -----

\$125 to \$149 -----

\$150 to \$199 -----

\$200 to \$249 -----

\$250 or more -----

Median -----

6 396 2 003 71 332 236 592 772 4 393 37 139 140 1 366 2 711

2 105 957 64 303 185 284 121 1 148 17 116 137 517 361

220 48 - 2 23 23 172 - - 6 54

295 121 5 18 33 58 7 174 - - 87 76

463 191 - 34 26 94 37 272 6 7 31 154

287 108 14 35 17 30 12 179 - 27 32 86

297 136 6 30 56 10 34 161 - 26 28 60

303 192 25 97 27 35 8 111 11 27 17 44

157 99 14 59 14 12 - 58 - 13 15

49 44 - 22 - 22 - 5 - 5 -

34 18 - 8 10 - - 16 - 8 8

\$313 \$354 \$427 \$363 \$282 \$291 \$292 \$431 \$375 \$349 \$288 \$245

4 291 1 046 7 29 51 308 651 3 245 20 23 3 849 2 350

9 9 - - 9 - - - - -

62 16 - - - 11 5 46 - - - 5 41

161 54 - - - 27 27 107 - - - 33 74

310 92 - 6 13 37 36 218 5 - - 45 168

627 138 - - - 67 71 489 - 11 - 115 363

1 613 370 - 12 8 101 249 1 243 6 7 - 398 832

888 192 - - 12 48 132 696 9 - - 160 527

621 175 7 11 9 17 131 446 - 5 3 93

\$180 \$179 \$250+ \$185 \$172 \$156 \$187 \$181 \$192 \$154 \$250+ \$178 \$182

SELECTED CHARACTERISTICS

Median selected monthly owner costs as percentage of household income in 1979 -----

With a mortgage -----

Not mortgaged -----

Income in 1979 below poverty level -----

Percent below poverty level -----

31.3 24.5 39.5 29.0 18.8 17.5 29.2 35.6 26.7 32.1 38.6 25.2 40.4

32.1 26.1 36.0 29.5 19.9 21.8 32.1 39.6 50+ 35.4 39.1 35.6 50+

30.6 21.3 50+ 17.1 11.3 14.0 28.2 33.8 25.4 26.4 22.5 21.2 39.1

1 307 210 7 12 19 63 109 1 097 13 20 18 297 749

13.5 6.7 6.7 2.2 4.4 6.5 9.8 16.7 30.2 9.1 9.0 15.3 18.0

Renter-occupied housing units -----

PLUMBING FACILITIES

Complete plumbing for exclusive use -----

Locking complete plumbing for exclusive use -----

UNITS IN STRUCTURE

1, detached or attached -----

2 -----

3 and 4 -----

5 to 9 -----

10 to 49 -----

50 or more -----

Mobile home or trailer, etc. -----

20 699 7 413 1 132 1 954 1 024 1 723 1 580 13 286 1 028 1 798 581 2 948 6 931

19 837 6 895 1 038 1 880 954 1 591 1 432 12 942 967 1 767 563 2 853 6 792

862 518 94 74 70 132 148 344 61 31 18 95 139

1 334 638 53 215 70 183 117 696 61 115 29 177 314

2 670 850 123 204 101 283 139 1 820 130 278 76 509

5 749 2 042 346 649 235 392 420 3 707 393 515 186 962

3 226 1 260 239 318 252 245 206 1 966 221 324 83 436

4 019 1 638 274 405 296 414 249 2 381 169 477 140 499

3 623 926 87 158 64 174 443 2 697 54 84 67 361

78 59 10 5 6 32 6 19 - 5 - 4 10

Household Income in 1979

Less than \$5,000 -----

\$5,000 to \$9,999 -----

\$10,000 to \$12,499 -----

\$12,500 to \$14,999 -----

\$15,000 to \$19,999 -----

\$20,000 to \$24,999 -----

\$25,000 to \$34,999 -----

\$35,000 to \$49,999 -----

\$50,000 or more -----

Median -----

Mean -----

8 472 1 959 248 256 173 441 841 6 513 363 172 129 1 146 4 703

5 083 1 684 351 336 182 320 495 3 399 374 396 186 906 1 537

2 337 973 228 314 130 178 123 1 364 181 469 76 339

1 532 709 141 277 90 158 43 823 73 282 61 211

1 997 1 158 151 429 232 298 48 839 37 396 71 240

774 544 13 219 138 168 6 230 - 77 44 67 42

356 287 - 99 73 97 18 69 - 14 33 22

84 57 - 18 6 27 6 27 - 6 21

64 42 - 6 - 36 - 22 - 6 - 16

\$6 621 \$10 163 \$9 454 \$13 141 \$13 250 \$11 412 \$4 832 \$5 169 \$6 916 \$11 764 \$9 334 \$6 802 \$4 238

\$8 688 \$11 272 \$9 031 \$13 430 \$13 590 \$13 377 \$6 411 \$7 246 \$6 936 \$11 862 \$10 247 \$8 013 \$5 516

GROSS RENT

Specified renter-occupied housing units -----

Less than \$100 -----

\$100 to \$149 -----

\$150 to \$199 -----

\$200 to \$249 -----

\$250 to \$299 -----

\$300 to \$349 -----

\$350 to \$399 -----

\$400 to \$499 -----

\$500 or more -----

No cash rent -----

Median -----

20 515 7 327 1 132 1 930 1 024 1 681 1 560 13 188 1 028 1 785 581 2 918 6 876

3 616 623 47 24 28 92 432 2 993 18 26 7 298

2 628 1 118 94 145 206 329 344 1 510 86 71 25 444

3 820 1 390 201 395 168 352 274 2 430 325 354 123 628

4 562 1 755 401 549 202 389 214 2 807 388 552 137 714

2 868 1 219 227 420 217 272 83 1 649 157 438 118 375

1 517 665 117 211 109 132 96 852 28 198 54 224

521 198 12 102 44 14 26 323 7 61 64 83

255 91 11 21 16 26 17 164 5 54 10 34

84 30 - 10 7 13 - 54 - 6 12

644 238 22 53 27 62 74 406 14 25 31 118

\$198 \$210 \$223 \$232 \$218 \$204 \$143 \$190 \$208 \$241 \$243 \$202 \$142

SELECTED CHARACTERISTICS

Median gross rent as percentage of household income in 1979 -----

Income in 1979 below poverty level -----

Percent below poverty level -----

27.7 24.2 28.7 21.9 20.8 22.4 28.5 29.6 36.1 25.0 30.1 31.0 30.9

3 561 950 204 167 106 262 211 2 611 291 119 94 617 1 490

17.2 12.8 18.0 8.5 10.4 15.2 13.4 19.7 28.3 6.6 16.2 20.9 21.5

Table A—12. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA	Total	Less than 2 months	2 up to 6 months	6 or more months	The SMSA	Total	Less than 2 months	2 up to 6 months	6 or more months					
Vacant for sale only housing units	494	159	168	167	Vacant for rent housing units	2 395	1 125	698	572					
ROOMS														
1 to 3 rooms														
40	7	4	29	1 room	142	60	61	21						
4 rooms	66	22	31	2 rooms	145	102	37	6						
5 rooms	106	28	21	3 rooms	386	221	88	77						
6 rooms	98	31	33	4 rooms	627	335	145	147						
7 rooms	79	32	40	5 rooms	636	277	201	158						
8 or more rooms	105	39	39	6 rooms	385	116	126	143						
Median	5.9	6.2	6.3	7 or more rooms	74	14	40	20						
				Median	4.3	4.0	4.6	4.7						
PLUMBING FACILITIES														
Complete plumbing for exclusive use	478	159	168	151	PLUMBING FACILITIES									
Locking complete plumbing for exclusive use	16	—	—	16	Complete plumbing for exclusive use	2 254	1 055	655	544					
BEDROOMS														
None	—	—	—	—	Locking complete plumbing for exclusive use	141	70	43	28					
1	61	11	25	25	BEDROOMS									
2	115	32	33	50	None	150	68	61	21					
3	184	61	62	61	1	722	414	176	132					
4	88	46	23	19	2	990	470	278	242					
5 or more	46	9	25	12	3	469	161	166	142					
				4	4	47	—5	17	25					
				5 or more	5	17	7	—	10					
YEAR STRUCTURE BUILT														
1975 to March 1980	157	74	52	31	YEAR STRUCTURE BUILT									
1970 to 1974	9	—	7	2	1975 to March 1980	105	68	26	11					
1960 to 1969	55	8	15	32	1970 to 1974	255	164	75	16					
1950 to 1959	53	13	29	11	1960 to 1969	137	106	31	—					
1940 to 1949	18	6	7	5	1950 to 1959	140	74	28	38					
1939 or earlier	202	58	58	86	1940 to 1949	181	84	62	35					
					1939 or earlier	1 577	629	476	472					
UNITS IN STRUCTURE														
1, detached or attached	359	111	149	99	UNITS IN STRUCTURE									
2 or more	129	46	19	64	1, detached or attached	167	92	46	29					
Mobile home or trailer	6	2	—	4	2	339	138	107	94					
HEATING EQUIPMENT														
Central heating system	439	137	157	145	3 and 4	808	305	223	280					
Other means	45	22	11	12	5 to 9	437	222	120	95					
None	10	—	—	10	10 to 49	466	247	153	66					
					50 or more	175	121	46	8					
					Mobile home or trailer	3	—	3	—					
PRICE ASKED														
Specified vacant for sale only housing units	346	111	142	93	RENT ASKED									
Less than \$10,000	6	—	—	6	Specified vacant for rent housing units	2 391	1 121	698	572					
\$10,000 to \$19,999	—	—	—		Less than \$100	265	129	69	67					
\$20,000 to \$29,999	59	21	30		\$100 to \$149	686	259	200	227					
\$30,000 to \$39,999	72	28	22		\$150 to \$199	640	307	217	116					
\$40,000 to \$49,999	48	5	25		\$200 to \$249	384	188	123	73					
\$50,000 to \$59,999	55	17	30		\$250 to \$299	149	84	18	47					
\$60,000 to \$79,999	76	40	17		\$300 to \$399	185	112	47	26					
\$80,000 to \$99,999	20	—	18		\$400 or more	82	42	24	16					
\$100,000 or more	10	—	—		Median	\$164	\$169	\$166	\$147					
Median	\$46 000	\$51 100	\$47 500	\$43 500										

Table A—13. Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA	Price asked—Specified vacant for sale only housing units						Rent asked—Specified vacant for rent housing units						
	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or more	Median (dollars)	Total	Less than \$100	\$100 to \$199	\$200 to \$299	\$300 to \$399	\$400 or more
Total	346	6	59	120	151	10	46 000	2 391	265	1 326	533	185	82
PLUMBING FACILITIES													
Complete plumbing for exclusive use	342	6	59	116	151	10	46 700	2 250	223	1 241	522	182	82
Locking complete plumbing for exclusive use	4	—	—	4	—	—	37 500	141	42	85	3	3	107
BEDROOMS													
None	—	—	—	—	—	—	—	150	44	87	19	—	108
1	36	6	—	28	2	—	37 100	722	54	413	188	45	22
2	54	—	20	29	5	—	35 900	990	80	513	231	130	36
3	140	—	24	42	74	—	50 800	465	87	267	87	10	145
4	76	—	2	8	56	10	76 900	47	—	29	8	—	10
5 or more	40	—	13	13	14	—	41 700	17	—	17	—	—	148
YEAR STRUCTURE BUILT													
1975 to March 1980	141	—	—	33	98	10	62 400	105	3	39	29	22	12
1970 to 1974	—	—	—	—	—	—	—	255	25	39	81	79	31
1960 to 1969	47	6	—	17	24	—	55 300	137	19	50	30	22	16
1950 to 1959	53	—	18	24	11	—	39 700	140	22	68	28	16	6
1940 to 1949	9	—	—	—	9	—	83 600	181	25	114	28	14	—
1939 or earlier	96	—	41	46	9	—	33 500	1 573	171	1 016	337	32	17
UNITS IN STRUCTURE													
1, detached or attached	346	6	59	120	151	10	46 000	2 163	20	77	21	14	31
2 or more	—	—	—	—	—	—	—	2 225	245	1 246	512	51	164
Mobile home or trailer	—	—	—	—	—	—	—	3	—	3	—	—	165

Table B-1. Value of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B]

Worcester city

	Total	\$10,000 to \$19,999	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more	Median (dollars)	Mean (dollars)
Specified owner-occupied housing units -----	17 655	254	1 062	4 153	5 616	3 566	1 409	994	282	245	74	35 500	39 100
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families -----	12 784	161	642	2 612	4 105	2 737	1 175	829	253	200	70	36 900	40 800
15 to 24 years -----	149	-	25	12	102	10	-	-	-	-	-	33 300	31 500
25 to 34 years -----	1 924	11	27	277	656	462	294	150	19	24	4	39 900	42 700
35 to 44 years -----	2 238	38	66	369	642	618	210	141	46	78	30	40 100	44 900
45 to 64 years -----	5 957	63	292	1 219	2 005	1 241	507	391	146	61	32	36 700	40 600
65 years and over -----	2 516	49	232	735	700	406	164	147	42	37	4	32 800	36 700
Male householder, no wife present -----	1 258	39	110	365	396	259	63	21	5	-	-	33 000	33 300
15 to 24 years -----	46	-	9	5	12	20	-	-	-	-	-	38 800	35 100
25 to 34 years -----	96	-	7	18	40	31	-	-	-	-	-	37 000	35 200
35 to 44 years -----	113	-	5	17	46	36	4	-	5	-	-	37 800	39 700
45 to 64 years -----	409	27	32	103	131	69	40	7	-	-	-	33 300	33 100
65 years and over -----	594	12	57	222	167	103	19	14	-	-	-	30 300	31 900
Female householder, no husband present -----	3 613	54	310	1 176	1 115	570	171	144	24	45	4	32 000	34 900
15 to 24 years -----	7	-	-	3	4	-	-	-	-	-	-	-	-
25 to 34 years -----	202	-	23	62	74	19	5	11	-	8	-	32 300	36 300
35 to 44 years -----	353	5	20	95	110	54	21	30	14	4	-	33 800	38 900
45 to 64 years -----	1 215	6	62	402	405	187	73	50	4	26	-	33 400	36 300
65 years and over -----	1 836	43	205	614	522	310	72	53	6	7	4	30 800	33 000
Median age -----	56.0	61.6	63.8	60.6	55.2	52.3	50.5	55.5	52.5	46.7	46.9	...	...
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980 -----	919	21	49	95	315	243	85	41	18	28	24	39 300	45 500
1975 to 1978 -----	2 756	44	99	451	859	655	303	193	44	87	21	39 200	43 900
1970 to 1974 -----	2 245	10	112	420	752	480	244	159	38	13	17	37 100	41 000
1960 to 1969 -----	4 411	51	167	1 115	1 288	994	358	295	73	66	4	36 500	39 500
1959 or earlier -----	7 324	128	635	2 072	2 402	1 194	419	306	109	51	8	33 000	35 600
ROOMS													
1 to 3 rooms -----	110	28	22	49	5	-	6	-	-	-	-	21 100	20 700
4 rooms -----	1 112	26	217	468	305	76	12	8	-	-	-	26 100	27 300
5 rooms -----	3 830	92	249	1 196	1 422	689	136	34	5	-	-	32 200	32 600
6 rooms -----	5 998	58	311	1 542	2 250	1 211	395	187	23	21	-	34 400	35 900
7 rooms -----	3 482	10	165	570	993	932	424	307	66	6	9	40 000	41 800
8 or more rooms -----	3 123	40	98	328	641	658	436	458	188	211	65	46 700	54 700
Median -----	6.1	5.3	5.6	5.7	6.0	6.3	6.9	7.4	8.4	8.5+	8.5+	...	...
BEDROOMS													
None -----	-	-	-	-	-	-	-	-	-	-	-	-	-
1 -----	588	48	65	272	131	53	12	7	-	-	-	26 400	27 600
2 -----	4 312	57	351	1 461	1 471	684	186	65	26	11	-	31 800	33 100
3 -----	8 825	129	461	1 868	2 989	1 977	738	503	91	60	9	36 000	38 300
4 -----	3 050	8	142	440	833	713	373	312	78	129	22	41 300	46 600
5 or more -----	880	12	43	112	192	139	100	107	87	45	43	44 800	57 200
YEAR STRUCTURE BUILT													
1975 to March 1980 -----	172	5	8	12	17	41	35	23	11	10	10	50 600	58 900
1970 to 1974 -----	371	7	-	32	110	96	81	12	19	6	8	42 900	48 000
1960 to 1969 -----	1 844	30	33	278	543	493	174	211	33	36	13	40 600	44 500
1950 to 1959 -----	3 782	28	144	801	1 293	858	290	242	61	65	-	37 000	40 200
1940 to 1949 -----	2 575	11	66	509	979	556	260	114	22	58	-	36 600	40 100
1939 or earlier -----	8 911	173	811	2 521	2 674	1 522	569	392	136	70	43	33 100	36 400
HOUSEHOLD INCOME IN 1979													
Less than \$5,000 -----	1 121	51	127	417	259	171	49	35	12	-	-	29 000	31 800
\$5,000 to \$9,999 -----	1 834	70	178	704	500	270	52	60	-	-	-	29 300	31 100
\$10,000 to \$12,499 -----	1 009	16	106	300	337	157	64	25	4	-	-	32 200	33 000
\$12,500 to \$14,999 -----	1 000	3	91	306	290	194	68	42	-	-	-	32 900	35 200
\$15,000 to \$19,999 -----	2 687	42	184	741	930	433	223	99	20	15	-	33 600	35 700
\$20,000 to \$24,999 -----	2 823	32	116	518	1 160	646	187	109	25	21	9	35 500	38 200
\$25,000 to \$34,999 -----	3 815	15	161	711	1 369	948	401	159	14	33	4	37 300	39 000
\$35,000 to \$49,999 -----	2 318	17	92	382	644	560	235	248	76	62	2	40 400	44 400
\$50,000 or more -----	1 048	8	7	74	127	187	130	217	135	104	59	58 800	69 500
Median -----	\$22 057	\$10 938	\$15 740	\$17 601	\$22 110	\$24 331	\$26 068	\$32 285	\$48 796	\$44 083	\$71 833	...	...
Mean -----	\$25 156	\$16 085	\$17 362	\$19 162	\$22 957	\$26 684	\$28 870	\$36 210	\$74 729	\$56 214	\$86 905	...	...
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
With a mortgage -----	9 926	65	396	1 876	3 315	2 313	979	588	200	132	62	37 800	41 400
Less than 15 percent -----	3 149	25	136	663	1 092	623	267	190	100	30	23	36 900	41 100
15 to 19 percent -----	2 238	19	75	365	836	588	183	117	26	19	10	37 400	40 100
20 to 24 percent -----	1 619	12	84	265	589	392	135	102	32	8	-	37 300	39 800
25 to 29 percent -----	924	-	4	174	276	224	143	50	11	40	2	40 300	44 800
30 to 34 percent -----	593	-	24	122	185	163	63	25	7	-	4	38 100	40 100
35 percent or more -----	1 377	9	73	275	337	316	181	104	24	35	23	39 800	44 600
Not computed -----	26	-	-	12	-	7	-	-	-	-	-	45 700	39 700
Median -----	19.0	17.0	19.1	18.7	18.4	19.5	21.3	19.4	15.0	26.1	19.0	...	...
Not mortgaged -----	7 729	189	666	2 277	2 301	1 253	430	406	82	113	12	32 700	36 100
Less than 10 percent -----	2 038	34	167	521	636	348	129	130	24	37	12	34 500	38 700
10 to 14 percent -----	1 856	46	155	486	554	339	144	94	23	15	-	33 500	36 200
15 to 19 percent -----	1 062	32	129	266	310	168	90	46	5	16	-	32 900	35 200
20 to 24 percent -----	704	13	50	251	207	94	31	21	6	31	-	31 500	36 600
25 to 29 percent -----	436	12	15	153	166	59	6	19	6	-	-	31 800	34 000
30 to 34 percent -----	350	6	31	114	80	59	10	24	12	14	-	33 300	39 200
35 percent or more -----	1 212	46	119	462	334	176	10	65	-	-	-	29 400	31 400
Not computed -----	71	-	-	24	14	10	10	7	6	-	-	34 100	43 300
Median -----	14.8	17.3	15.4	17.2	14.6	14.0	12.8	13.7	13.0	16.4	10-	...	...
SELECTED CHARACTERISTICS													
Complete plumbing for exclusive use -----	17 649	254	1 056	4 153	5 616	3 566	1 409	994	282	245	74	35 500	39 100
1 or more persons per room -----	253	8	13	112	89	10	21	-	-	-	-	29 600	30 900
Locking complete plumbing for exclusive use -----	6	-	6	-	-	-	-	-	-	-	-	12 500	12 500
1 or more persons per room -----	-	-	-	-	-	-	-	-	-	-	-	-	-
Heating equipment -----	17 655	254	1 062	4 153	5 616	3 566	1 409	994	282	245	74	35 500	39 100
Central heating system -----	16 868	197	975	3 947	5 414	3 407	1 376	975	270	233	74	35 600	39 300
Air conditioning -----	6 244	78	289	1 153	1 843	1 320	615	560	189	141	56	38 600	43 700
Central system -----	419	-	21	23	71	29	40	92	52	60	31	65 100	73 800
Income in 1979 below poverty level -----	706	18	63	250	160	120	54	29	12	-	-	31 200	34 400
Percent below poverty level -----	4.0	7.1	5.9	6.0	2.8	3.4	3.8	2.9	4.3	-	-	...	...

Table B—2. Gross Rent of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

Worcester city

Specified renter-occupied housing units

HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER

Married-couple families

	Total	Less than \$100	\$100 to \$149	\$150 to \$199	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 or more	No cash rent	Median (dollars)
11 528	261	878	2 362	3 258	2 282	1 290	548	203	97	349	230	225
1 197	34	101	217	403	259	127	47	9	—	—	238	238
3 430	71	108	656	1 080	769	444	162	71	21	48	240	240
1 364	15	49	320	344	274	147	117	29	11	58	214	216
3 117	73	274	644	835	605	316	152	57	32	129	230	230
2 420	68	346	525	596	375	256	70	37	33	114	216	216
6 573	404	918	1 318	1 738	1 073	644	186	90	23	179	214	214
1 661	41	94	255	562	368	196	75	27	17	26	238	238
1 646	11	153	387	494	315	183	49	20	6	28	224	224
3 793	38	136	124	161	169	69	56	16	—	24	222	222
1 316	69	264	303	345	150	96	—	23	66	198	198	198
1 157	245	271	249	176	71	100	6	4	—	35	164	164
14 937	2 718	1 361	2 752	3 626	2 282	1 313	391	177	54	263	207	207
2 066	257	63	440	723	334	179	20	14	4	32	218	218
3 114	366	140	528	932	628	321	118	57	6	18	229	229
1 590	190	111	218	413	358	140	107	14	—	39	231	231
3 088	313	413	676	706	487	293	53	49	21	77	207	207
5 079	1 592	634	890	852	475	380	93	43	23	97	167	167
43.9	67.6	60.0	46.1	36.1	36.8	38.9	37.6	40.0	53.6	56.8	...	...

YEAR HOUSEHOLDER MOVED INTO UNIT

1979 to March 1980	9 602	618	610	1 642	2 616	1 910	1 252	534	244	56	120	235
1975 to 1978	11 883	1 505	873	2 046	3 287	2 267	1 202	414	96	55	138	221
1970 to 1974	5 222	920	540	949	1 352	733	402	122	53	50	101	205
1960 to 1969	3 274	260	521	878	712	432	245	43	71	9	103	197
1959 or earlier	3 057	80	613	917	655	295	146	12	6	4	329	185

ROOMS

1 room	1 190	482	405	99	136	45	5	—	—	18	113	
2 rooms	2 184	860	308	308	396	165	84	17	15	31	135	
3 rooms	5 061	785	509	893	1 422	900	424	54	26	40	210	
4 rooms	7 566	704	727	1 340	1 896	1 246	1 042	336	99	37	139	
5 rooms	9 137	404	767	2 223	2 666	1 663	781	289	109	26	209	
6 rooms	6 329	107	362	1 427	1 889	1 225	699	285	108	47	180	
7 or more rooms	1 571	41	79	142	217	393	212	144	113	56	174	
Median	4.6	2.9	4.0	4.8	4.7	4.8	4.6	5.0	5.4	5.8	5.3	...

PLUMBING FACILITIES BY PERSONS PER ROOM

AND POVERTY STATUS IN 1979

All income levels in 1979	33 038	3 383	3 157	6 432	8 622	5 637	3 247	1 125	470	174	791	217
Complete plumbing for exclusive use	32 184	3 296	2 818	6 310	8 446	5 588	3 190	1 111	470	174	781	218
0.50 or less	21 062	2 048	1 962	4 583	5 438	3 291	2 069	698	323	98	552	214
0.51 to 1.00	10 236	1 163	771	1 597	2 788	2 102	992	392	129	76	226	227
1.01 to 1.50	733	67	56	124	162	162	123	21	18	—	231	231
1.51 or more	153	18	29	6	58	33	6	—	—	3	210	210
Locking complete plumbing for exclusive use	854	87	339	122	176	49	57	14	—	—	10	149
0.50 or less	337	28	51	65	136	14	38	—	—	5	207	207
0.51 to 1.00	478	51	288	45	40	26	19	4	—	5	128	128
1.01 to 1.50	24	—	5	—	9	—	10	—	—	5	290	290
1.51 or more	15	8	—	7	—	—	—	—	—	—	89	89
Income in 1979 below poverty level	6 724	1 408	609	1 154	1 816	933	442	169	57	30	106	204
Complete plumbing for exclusive use	6 498	1 351	529	1 121	1 794	913	433	169	57	30	101	205
1.01 or more persons per room	396	66	34	39	100	85	55	14	—	3	219	219
Locking complete plumbing for exclusive use	226	57	80	33	22	20	9	—	—	5	126	126
1.01 or more persons per room	8	8	—	—	—	—	—	—	—	—	85	85

BEDROOMS

None	1 265	501	410	123	147	56	5	—	—	23	115	
1	8 923	1 657	944	1 585	2 482	1 338	612	152	49	3	101	204
2	12 524	803	1 068	2 585	3 353	2 060	1 585	545	204	56	265	224
3	8 953	372	669	1 962	2 395	1 881	873	316	123	63	299	228
4	1 073	50	41	162	209	248	152	85	54	6	66	257
5 or more	300	—	25	15	36	54	20	27	40	46	37	304

UNITS IN STRUCTURE

1, detached or attached	1 666	271	98	108	188	149	172	147	138	70	325	253
2	4 102	73	258	783	1 084	939	457	222	58	41	187	237
3 and 4	14 080	282	1 429	4 058	4 512	2 229	1 023	253	93	10	191	212
5 to 9	4 555	682	457	801	1 262	833	348	108	31	6	27	211
10 to 49	4 806	459	411	470	842	1 105	1 055	330	97	8	29	260
50 or more	3 790	1 616	504	199	722	373	187	65	53	39	32	124
Mobile home or trailer, etc.	39	—	—	13	12	9	5	—	—	—	—	239

YEAR STRUCTURE BUILT

1975 to March 1980	1 672	473	233	160	251	248	200	71	20	16	179	
1970 to 1974	4 208	939	224	272	839	882	737	223	55	17	20	239
1960 to 1969	2 672	756	188	163	431	553	312	93	65	35	76	226
1950 to 1959	1 990	613	171	215	312	260	172	60	58	31	98	194
1940 to 1949	3 028	238	191	608	470	365	111	42	20	63	222	222
1939 or earlier	19 468	364	2 150	5 014	5 869	3 224	1 461	567	230	71	518	215

STORIES IN STRUCTURE

1 to 3	27 621	1 661	2 440	5 983	7 389	4 954	2 919	1 020	382	127	746	222
4 or more	5 417	722	717	449	1 233	683	328	105	88	47	45	176
With elevator	4 106	1 639	578	249	827	351	240	67	73	47	35	132
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979	6 798	638	963	1 973	1 735	861	347	175	83	23	...	195
Less than 15 percent	5 002	538	407	1 023	1 307	914	586	153	62	12	...	218
15 to 19 percent	5 198	1 137	436	823	1 146	1 018	439	106	58	35	...	210
20 to 24 percent	3 513	562	320	563	774	629	422	171	64	8	...	219
25 to 29 percent	2 047	93	250	319	604	340	269	124	36	12	...	227
30 to 34 percent	3 616	202	44									

Table B—3. Income and Poverty Status in 1979 of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

Worcester city	Household income in 1979													Income in 1979 below poverty level	
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)			
	Owner-occupied housing units	25 555	1 977	3 147	1 647	1 521	3 966	3 904	5 210	2 970	1 213	20 618	23 292		
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER															
Married-couple families															
15 to 24 years	17 632	419	1 381	944	898	2 785	3 088	4 436	2 587	1 094	23 761	26 992	479		
25 to 34 years	216	—	4	22	28	87	47	22	6	—	18 081	18 796	—		
35 to 44 years	2 570	43	43	58	188	586	775	703	148	26	21 911	22 815	48		
35 to 44 years	2 883	54	65	93	57	453	645	948	390	178	25 535	28 045	97		
45 to 64 years	8 146	146	296	308	274	1 057	1 341	2 311	1 727	686	27 492	30 596	200		
65 years and over	3 817	176	973	463	351	602	280	452	316	204	14 612	21 780	134		
Male householder, no wife present															
15 to 24 years	2 204	211	450	171	179	407	318	286	112	70	16 191	18 145	134		
25 to 34 years	92	—	19	9	19	24	11	5	5	—	14 868	15 781	—		
35 to 44 years	250	12	22	28	33	60	50	39	—	6	17 206	18 662	19		
45 to 64 years	256	17	11	14	28	58	55	38	20	15	20 000	22 666	10		
65 years and over	744	47	83	43	46	161	139	127	67	31	19 789	21 500	41		
Female householder, no husband present															
15 to 24 years	862	135	315	77	53	104	63	77	20	18	9 690	14 010	64		
25 to 34 years	5 719	1 347	1 316	532	444	774	498	488	271	49	10 923	13 868	685		
35 to 44 years	281	59	56	30	23	76	9	22	6	—	8 438	14 167	4		
45 to 64 years	523	40	94	66	82	123	53	52	13	—	14 375	15 197	73		
65 years and over	1 939	226	374	213	192	347	211	230	135	11	14 533	16 459	179		
Median age		2 965	1 018	788	223	147	228	225	184	114	38	7 394	12 035	349	
		56.5	70.8	70.0	63.5	59.6	52.7	49.2	50.8	54.7	56.5	61.1	
YEAR HOUSEHOLDER MOVED INTO UNIT															
1979 to March 1980	1 439	91	107	95	115	290	364	216	84	77	20 255	22 295	101		
1975 to 1978	3 741	136	208	164	272	748	740	930	372	171	22 119	24 517	138		
1970 to 1974	3 290	156	196	179	136	582	663	894	358	126	22 775	24 525	182		
1960 to 1969	5 812	275	541	330	258	791	894	1 517	857	349	23 988	25 972	250		
1959 or earlier	11 273	1 319	2 095	879	740	1 555	1 243	1 653	1 299	490	17 067	21 271	627		
SELECTED CHARACTERISTICS															
Complete plumbing for exclusive use															
1 or more persons per room	25 335	1 955	3 123	1 629	1 510	3 918	3 880	5 177	2 947	1 196	20 637	23 297	1 285		
Locking complete plumbing for exclusive use	410	9	5	16	11	50	96	137	61	25	26 452	28 816	18		
1 or more persons per room	220	22	24	18	11	48	24	33	23	17	18 587	22 747	13		
Heating equipment															
Central heating system	25 536	1 977	3 142	1 647	1 521	3 959	3 897	5 210	2 970	1 213	20 624	23 298	1 298		
23 246	1 637	2 765	1 466	1 384	3 557	3 572	4 880	2 840	1 145	21 059	23 798	1 074			
Air conditioning	8 703	404	655	477	475	1 248	1 504	1 959	1 311	670	23 441	27 413	276		
Centrally available															
1	23 263	1 134	2 325	1 463	1 446	3 806	3 786	5 158	2 957	1 188	21 798	24 702	925		
2 or more	11 652	924	1 949	1 158	977	2 373	1 874	1 663	572	162	16 778	17 995	641		
House heating fuel															
Utility gas	11 611	210	376	305	469	1 433	1 912	3 495	2 385	1 026	27 441	31 433	284		
Bottled, tank, or LP gas	10 186	774	1 288	746	599	1 599	1 564	2 266	1 034	316	20 268	22 307	541		
Electricity	882	27	81	42	44	154	154	223	114	43	22 654	25 316	26		
Fuel oil, kerosene, etc.	13 978	1 125	1 717	813	850	2 106	2 080	2 654	1 785	848	20 830	23 989	683		
Other	330	11	26	25	17	94	70	62	25	—	19 474	20 449	19		
Median rooms		5.9	5.4	5.5	5.6	5.7	5.8	6.0	6.1	6.5	7.3	5.5	
Specified owner-occupied housing units		17 655	1 121	1 834	1 009	1 000	2 687	2 823	3 815	2 318	1 048	22 057	25 156	706	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS															
With a mortgage															
Less than \$200	9 926	285	524	398	490	1 600	1 912	2 665	1 442	610	24 365	27 037	313		
\$200 to \$249	232	33	76	26	17	32	24	—	24	—	10 673	14 563	12		
\$250 to \$299	788	35	36	57	94	131	134	207	74	20	21 591	22 760	41		
\$300 to \$349	1 695	52	125	71	57	312	270	530	207	71	23 992	25 112	47		
\$350 to \$399	1 777	38	75	84	50	359	363	491	269	48	23 715	25 200	38		
\$400 to \$449	1 703	33	97	45	86	271	427	477	235	32	23 881	24 835	33		
\$450 to \$499	1 864	38	82	52	94	350	368	551	225	104	24 028	26 675	71		
\$500 to \$599	996	31	21	29	54	108	215	246	220	72	25 380	29 692	41		
\$600 to \$749	514	13	5	20	38	26	86	122	105	99	26 741	35 264	18		
\$750 or more	357	12	7	14	—	11	25	41	83	164	30 876	55 999	12		
Median	\$364	\$330	\$317	\$327	\$366	\$345	\$369	\$361	\$381	\$542	...	...	\$378	
Not mortgaged		7 729	836	1 310	611	510	1 087	911	1 150	876	438	17 886	22 741	393	
Less than \$50	5	—	5	—	—	—	—	—	—	—	6 250	5 750	—		
\$50 to \$74	6	—	—	6	—	—	—	—	—	—	11 250	10 920	—		
\$75 to \$99	101	51	32	5	9	4	—	—	—	—	4 937	5 573	36		
\$100 to \$124	213	49	71	15	35	28	5	10	—	—	8 393	10 378	28		
\$125 to \$149	563	132	152	71	42	85	31	45	5	—	9 924	11 742	41		
\$150 to \$199	2 450	344	482	225	168	372	298	322	215	24	15 078	17 204	132		
\$200 to \$249	2 396	176	385	147	123	387	336	428	351	63	19 798	21 542	92		
\$250 or more	1 995	84	183	142	133	211	241	345	305	351	25 071	36 352	64		
Median	\$211	\$177	\$191	\$196	\$200	\$207	\$218	\$223	\$231	\$250+	...	...	\$185	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979															
With a mortgage															
Less than 15 percent	9 926	285	524	398	490	1 600	1 912	2 665	1 442	610	24 365	27 037	313		
15 to 19 percent	3 149	—	6	—	—	75	256	1 250	1 056	506	34 882	40 421	—		
20 to 24 percent	2 238	—	—	21	42	308	668	882	262	55	25 599	27 080	—		
25 to 29 percent	1 619	—	26	52	99	484	555	297	87	19	21 294	22 130	6		
30 to 34 percent	924	—	11	45	69	333	234	179	37	16	20 085	21 471	—		
35 percent or more	593	—	48	83	83	246	114	15	—	4	16 733	16 628	—		
Not computed	1 377	259	433	197	197	154	85	42	—	10	9 966	10 865	281		
Median	26	—	—	—	—	—	—	—	—	—	2500	—603	26		
Not mortgaged		7 729	836	1 310	611	510	1 087	911	1 150	876	438	17 886	22 741	393	
Less than 10 percent	2 038	—	5	11	15	55	145	644	758	405	36 634	44 037	—		
10 to 14 percent	1 856	—	8	33	93	539	614	447	95	27	22 030	23 309	5		
15 to 19 percent	1 062	—	131	182	193	376	119	45	16	—	15 359	15 745	—		
20 to 24 percent	704	20	226	200	132	93	20	6	7	—	11 325	12 027	2		
25 to 29 percent	436	7	244	110	50	19	6	—	—	—	9 439	9 881	6		
30 to 34 percent	350	34	237	37	22	5	7	8	—	—	7 966	8 793	—		
35 percent or more	1 212	710	459	38	5	—	—	—	—	—</td					

Table B-4. Income and Poverty Status in 1979 of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B]

Worcester city

Renter-occupied housing units

	Household income in 1979												Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)	
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families	33 165	8 309	7 819	3 566	3 041	4 683	2 757	2 100	700	190	10 319	12 327	6 777
15 to 24 years	699	2 197	1 318	1 208	2 543	1 652	1 463	439	80	15 725	17 063	1 049	
25 to 34 years	1 197	134	168	136	182	291	159	108	19	—	14 705	15 064	170
35 to 44 years	3 435	194	413	363	360	997	650	385	73	—	16 977	16 904	297
45 to 64 years	1 371	80	166	113	132	371	202	232	50	25	17 653	18 542	215
65 years and over	3 169	128	435	314	315	639	406	627	264	41	18 092	20 539	231
Male householder, no wife present	2 427	163	1 015	392	219	245	235	111	33	14	10 226	12 897	136
15 to 24 years	6 578	1 536	1 510	806	1 020	474	362	143	47	—	10 754	12 233	1 143
25 to 34 years	1 661	330	465	245	188	241	69	101	22	—	10 362	11 220	441
35 to 44 years	1 646	212	310	221	243	367	107	131	37	18	13 323	14 141	207
45 to 64 years	793	137	148	112	70	150	116	33	17	10	12 489	13 950	110
65 years and over	1 316	311	239	115	117	227	149	86	53	19	12 348	14 293	212
Female householder, no husband present	1 162	546	348	113	62	35	33	11	14	—	5 382	7 474	173
15 to 24 years	14 988	6 074	4 112	1 442	1 153	1 120	631	275	118	63	6 561	8 704	4 585
25 to 34 years	2 073	913	533	186	170	117	100	32	7	15	6 047	8 167	1 100
35 to 44 years	3 123	868	966	419	273	351	137	95	8	6	8 677	9 884	1 176
45 to 64 years	1 600	429	511	234	167	151	66	22	15	5	8 736	9 802	589
65 years and over	3 094	962	891	280	273	339	217	75	45	12	8 253	10 187	663
Median age	5 098	2 902	1 211	323	270	162	111	51	43	25	4 642	6 956	1 057
YEAR HOUSEHOLDER MOVED INTO UNIT	44.0	60.1	49.0	38.7	37.1	34.9	39.1	40.9	51.2	48.0	...	...	35.0
PLUMBING FACILITIES BY PERSONS PER ROOM													
Complete plumbing for exclusive use	32 311	7 957	7 545	3 503	3 031	4 599	2 719	2 079	694	184	10 466	12 429	6 551
0.50 or less	21 107	5 763	5 153	2 405	2 034	2 688	1 532	1 103	300	129	9 628	11 583	3 551
0.51 to 1.00	10 301	2 054	2 168	975	917	1 771	1 097	894	370	55	12 381	14 062	2 587
1.01 to 1.50	743	97	166	91	69	133	86	77	24	—	13 134	14 609	296
1.51 or more	160	43	58	32	11	7	4	5	—	—	8 581	8 728	117
Locking complete plumbing for exclusive use	854	352	274	63	10	84	38	21	6	6	6 179	8 482	226
0.50 or less	337	143	92	17	5	57	17	6	—	—	6 417	8 423	92
0.51 to 1.00	478	209	182	28	—	23	9	15	6	6	5 658	7 988	126
1.01 to 1.50	24	—	—	10	5	4	5	—	—	—	13 500	14 474	—
1.51 or more	15	—	—	8	—	—	7	—	—	—	12 344	15 943	8
SELECTED CHARACTERISTICS													
Heating equipment	33 116	8 291	7 808	3 566	3 033	4 678	2 750	2 100	700	190	10 322	12 330	6 765
Central heating system	22 310	5 797	5 255	2 286	2 004	3 040	1 870	1 386	503	169	10 113	12 376	4 356
Air conditioning	7 790	1 558	1 689	839	684	1 247	782	723	196	72	11 931	14 125	955
Central system	1 598	520	529	177	62	127	68	69	17	29	7 250	10 792	234
Vehicles available	21 971	2 639	4 447	2 698	2 528	4 169	2 633	2 021	658	178	13 688	15 202	2 861
1	16 485	2 414	3 890	2 293	2 049	3 066	1 580	844	244	105	12 113	13 296	2 341
2 or more	5 486	225	557	405	479	1 103	1 053	1 177	414	73	19 887	20 927	520
House heating fuel	33 116	8 291	7 808	3 566	3 033	4 678	2 750	2 100	700	190	10 322	12 330	6 765
Utility gas	17 805	4 100	4 153	2 019	1 712	2 624	1 569	1 180	395	53	10 804	12 493	3 685
Bottled, tank, or LP gas	511	127	162	99	16	48	46	13	—	—	9 145	10 015	127
Electricity	4 419	1 551	1 019	364	335	554	265	230	79	22	7 919	10 987	899
Fuel oil, kerosene, etc.	10 289	2 485	2 462	1 063	970	1 433	864	671	226	115	10 464	12 753	2 026
Other	92	28	12	21	—	19	6	6	—	—	10 714	10 921	28
Median rooms	4.6	3.9	4.3	4.6	4.6	4.9	5.0	5.2	5.7	6.0	...	...	4.6
Specified renter-occupied housing units	33 038	8 283	7 787	3 539	3 041	4 668	2 745	2 091	700	184	10 317	12 293	6 724
CONTRACT RENT													
Less than \$100	6 755	3 428	1 403	382	349	604	301	179	103	6	4 955	8 490	1 935
\$100 to \$149	9 011	1 872	2 366	1 127	835	1 296	788	542	159	26	10 593	12 163	1 810
\$150 to \$199	6 901	1 369	1 632	885	709	1 082	547	520	151	6	11 270	12 778	1 448
\$200 to \$249	4 777	917	1 345	587	543	662	360	227	86	50	10 539	12 182	883
\$250 to \$299	2 905	333	576	314	393	573	391	244	76	5	13 960	14 719	345
\$300 to \$349	1 354	127	225	148	134	295	186	186	47	6	15 652	16 455	122
\$350 to \$399	354	71	30	11	31	45	44	72	40	10	18 382	19 937	62
\$400 to \$449	130	16	11	4	—	19	8	27	13	32	30 510	33 531	9
\$500 or more	60	4	15	4	5	—	7	9	4	12	21 667	56 816	4
No cash rent	791	146	184	77	42	92	113	85	21	31	12 127	16 354	106
Median	\$152	\$117	\$151	\$158	\$169	\$162	\$165	\$167	\$166	\$243	...	...	\$137
GROSS RENT													
Less than \$100	3 383	2 554	607	60	55	57	32	18	—	—	3 990	4 905	1 408
\$100 to \$149	3 157	954	1 174	260	199	295	155	85	29	6	7 049	9 240	609
\$150 to \$199	6 432	1 435	1 569	936	593	968	441	355	118	17	10 566	11 906	1 154
\$200 to \$249	8 622	1 055	2 129	1 084	917	1 279	716	488	133	21	10 754	12 094	1 816
\$250 to \$299	5 637	726	1 254	631	755	1 032	619	448	161	11	13 187	14 144	933
\$300 to \$349	3 247	411	599	351	356	620	457	350	85	18	14 343	15 392	442
\$350 to \$399	1 125	133	159	99	107	239	123	154	80	31	16 008	18 028	169
\$400 to \$449	470	65	65	31	12	68	73	73	57	26	19 700	22 042	57
\$500 or more	174	4	47	10	5	18	16	16	35	23	20 625	35 795	30
No cash rent	791	146	184	77	42	92	113	85	21	31	12 127	16 354	106
Median	\$217	\$171	\$209	\$223	\$234	\$236	\$248	\$256	\$269	\$356	...	...	\$204
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
Less than 15 percent	6 798	96	347	227	439	1 598	1 573	1 702	663	153	21 802	23 769	159
15 to 19 percent	5 002	297	583	569	830	1 563	890	258	12	—	15 611	15 453	324
20 to 24 percent	5 198	1 091	845	1 100	1 011	978	127	46	—	—	11 507	11 054	416
25 to 29 percent	3 513	618	1 166	838	498	359	30	—	4	—	9 911	9 749	358
30 to 34 percent	2 047	217	1 151	407	200	60	12	—	—	—	8 778	8 883	223
35 to 49 percent	3 616	869	2 408	305	16	18	—	—	—	—	6 645	6 713	835
50 percent or more	5 491	4 367	1 103	16	5	—	—	—	—	—	3 686	3 697	3 721
Not computed	1 373	728	184	77	42	92	113	85	21	31	3 983	9 317	668
Median	23.9	50+	33.7	24.2	21.1	17.2	13.9	11.5	10—	10—	...	...	50+

Table B—5. Selected Monthly Owner Costs for Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

Worcester city

	Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
Specified owner-occupied housing units -----	9 926	232	788	1 695	1 777	1 703	1 864	996	514	357	364
PERSONS IN UNIT											
1 person -----	686	93	78	189	89	81	84	53	14	5	296
2 persons -----	2 213	69	230	483	377	345	381	183	72	73	343
3 persons -----	2 072	46	192	371	406	338	351	175	143	50	353
4 persons -----	2 346	—	154	318	461	459	245	83	77	77	376
5 persons -----	1 671	24	109	238	309	267	268	202	133	121	379
6 persons -----	626	—	—	83	107	123	159	78	55	21	400
7 persons -----	177	—	18	13	17	49	23	40	7	10	391
8 or more persons -----	135	—	7	—	11	41	49	20	7	—	418
Median -----	3.50	1.83	2.95	2.97	3.54	3.69	3.71	3.86	3.84	4.16	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER											
Married-couple families -----	8 122	106	574	1 239	1 473	1 430	1 639	878	452	331	373
15 to 24 years -----	149	—	5	17	42	28	45	12	—	—	369
25 to 34 years -----	1 818	—	22	113	268	409	523	288	136	59	415
35 to 44 years -----	2 059	—	107	159	356	426	472	257	134	148	398
45 to 64 years -----	3 651	88	345	857	742	493	564	287	164	111	336
65 years and over -----	445	18	95	93	65	74	35	34	18	13	313
Male householder, no wife present -----	512	32	64	122	51	82	94	48	14	5	337
15 to 24 years -----	37	—	5	—	—	—	23	9	—	—	460
25 to 34 years -----	77	—	6	—	6	6	40	19	—	—	443
35 to 44 years -----	77	—	17	—	5	31	4	15	—	5	377
45 to 64 years -----	212	6	31	80	31	26	19	5	14	—	293
65 years and over -----	109	26	5	42	9	19	8	—	—	—	278
Female householder, no husband present -----	1 292	94	150	334	253	191	131	70	48	21	313
15 to 24 years -----	7	—	—	—	—	7	—	—	—	—	444
25 to 34 years -----	163	—	20	13	33	42	38	11	6	—	368
35 to 44 years -----	307	6	15	54	88	34	28	41	24	17	345
45 to 64 years -----	539	19	70	204	94	92	37	5	18	—	294
65 years and over -----	276	69	45	63	38	23	21	13	—	4	269
Median age -----	46.0	64.4	54.0	52.6	47.7	42.3	39.3	39.0	41.9	42.2	...
YEAR HOUSEHOLDER MOVED INTO UNIT											
1979 to March 1980 -----	750	—	5	22	75	62	271	182	60	73	482
1975 to 1978 -----	2 452	6	63	138	305	557	639	400	194	150	421
1970 to 1974 -----	1 895	22	85	236	364	456	429	160	94	49	376
1960 to 1969 -----	3 154	73	363	822	704	444	399	196	99	54	323
1959 or earlier -----	1 675	131	272	477	329	184	126	58	67	31	296
ROOMS											
1 to 3 rooms -----	57	—	17	20	20	—	—	—	—	—	279
4 rooms -----	456	56	84	100	72	89	37	14	—	4	294
5 rooms -----	1 871	65	228	528	288	335	303	85	30	9	320
6 rooms -----	3 288	54	290	656	720	594	662	217	82	13	345
7 rooms -----	2 233	34	97	293	443	394	460	296	162	54	382
8 or more rooms -----	2 021	23	72	98	234	291	402	384	240	277	473
Median -----	6.3	5.4	5.7	5.8	6.2	6.2	6.4	7.1	7.4	8.5+	...
YEAR STRUCTURE BUILT											
1975 to March 1980 -----	155	—	5	7	29	18	49	12	4	31	431
1970 to 1974 -----	318	—	11	17	26	107	80	40	10	27	399
1960 to 1969 -----	1 366	41	105	262	167	226	318	136	56	55	374
1950 to 1959 -----	1 883	37	160	349	380	256	373	154	115	59	353
1940 to 1949 -----	1 421	53	98	206	217	257	271	210	69	40	377
1939 or earlier -----	4 783	101	409	854	958	839	773	444	260	145	354
VALUE											
Less than \$10,000 -----	65	14	12	17	3	9	10	—	—	—	269
\$10,000 to \$19,999 -----	396	53	102	108	74	39	18	2	—	—	270
\$20,000 to \$29,999 -----	1 876	95	268	492	469	313	174	52	13	—	309
\$30,000 to \$39,999 -----	3 315	48	245	769	729	642	667	172	32	11	341
\$40,000 to \$49,999 -----	2 313	12	136	235	341	514	583	334	131	27	392
\$50,000 to \$59,999 -----	979	10	25	63	128	115	228	280	106	24	461
\$60,000 to \$79,999 -----	588	—	—	11	33	59	163	131	160	31	521
\$80,000 to \$99,999 -----	200	—	—	—	8	21	20	65	65	86	718
\$100,000 to \$149,999 -----	132	—	—	—	—	—	5	7	120	58	750+
\$150,000 or more -----	62	—	—	—	—	—	—	—	—	58	750+
Median -----	\$37 800	\$24 300	\$30 400	\$32 400	\$34 300	\$37 600	\$40 800	\$47 500	\$57 500	\$99 900	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979											
Less than 15 percent -----	3 149	86	471	906	696	392	296	143	80	79	308
15 to 19 percent -----	2 238	38	120	351	481	520	429	175	81	43	362
20 to 24 percent -----	1 619	31	116	163	300	345	416	142	48	58	379
25 to 29 percent -----	924	11	10	62	88	170	224	205	101	53	442
30 to 34 percent -----	593	19	18	47	55	87	191	131	37	8	438
35 percent or more -----	1 377	47	53	166	150	184	308	193	167	109	428
Not computed -----	26	—	—	—	7	5	—	7	—	7	514
Median -----	19.0	18.9	13.6	14.5	17.0	19.4	22.5	25.8	27.4	24.6	...
SELECTED CHARACTERISTICS											
Heating equipment -----	9 926	232	788	1 695	1 777	1 703	1 864	996	514	357	364
Steam or hot water system -----	7 018	122	525	1 218	1 199	1 276	1 323	695	428	232	367
Central warm-air furnace or electric heat pump -----	1 897	85	197	295	414	292	286	199	36	93	345
Other built-in electric units -----	481	8	12	71	55	59	151	73	31	21	420
Floor, wall, or pipeless furnace -----	101	—	6	29	27	11	16	—	12	—	329
Other means -----	429	17	48	82	82	65	88	29	7	11	341
Air conditioning -----	3 617	70	182	625	670	592	605	416	227	230	372
Central system -----	215	—	12	6	19	10	37	21	20	90	619
1 or more individual room units -----	3 402	70	170	619	651	582	568	395	207	140	366
House heating fuel -----	9 926	232	788	1 695	1 777	1 703	1 864	996	514	357	364
Utility gas -----	3 688	122	368	676	729	693	635	274	119	72	347
Bottled, tank, or LP gas -----	32	—	8	10	8	—	—	—	—	6	290
Electricity -----	510	8	12	76	61	66	155	73	31	28	417
Fuel oil, kerosene, etc. -----	5 459	102	390	893	912	890	1 015	642	364	251	374
Other -----	237	—	10	40	67	54	59	7	—	—	351

Table B—6. Selected Monthly Owner Costs for Not Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and 8.]

Worcester city

Specified owner-occupied housing units

	Total	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Median (dollars)
PERSONS IN UNIT	7 729	5	6	101	213	563	2 450	2 396	1 995	211
1 person	1 735	—	6	52	79	225	683	395	295	187
2 persons	3 640	5	—	49	92	233	1 221	1 107	933	210
3 persons	1 290	—	—	—	42	80	294	478	396	224
4 persons	583	—	—	—	—	17	133	242	191	229
5 persons	277	—	—	—	—	8	74	101	94	228
6 persons	122	—	—	—	—	—	12	56	54	244
7 persons	69	—	—	—	—	—	31	12	26	215
8 or more persons	13	—	—	—	—	—	2	5	6	245
Median	2.09	2.00	1.00	1.47	1.80	1.74	1.94	2.23	2.25	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER	4 662	—	—	40	86	246	1 367	1 557	1 366	219
Married-couple families	—	—	—	—	—	—	—	—	—	—
15 to 24 years	106	—	—	—	—	13	28	60	5	210
25 to 34 years	179	—	—	—	—	12	36	62	69	233
35 to 44 years	2 306	—	—	7	31	71	648	875	674	223
45 to 64 years	2 071	—	—	33	55	150	655	560	618	213
65 years and over	746	—	6	31	48	66	259	175	161	193
Male householder, no wife present	—	—	—	—	—	—	—	—	—	—
15 to 24 years	9	—	—	—	—	—	9	—	—	175
25 to 34 years	19	—	—	—	—	7	6	—	6	171
35 to 44 years	36	—	—	—	13	4	—	15	4	203
45 to 64 years	197	—	6	13	17	18	70	51	22	182
65 years and over	485	—	—	18	18	37	174	109	129	199
Female householder, no husband present	2 321	5	—	30	79	251	824	664	468	198
15 to 24 years	—	—	—	—	—	—	—	—	—	—
25 to 34 years	39	—	—	—	—	—	13	7	19	246
35 to 44 years	46	—	—	5	—	8	—	10	23	250
45 to 64 years	676	—	—	4	15	73	252	196	136	199
65 years and over	1 560	5	—	21	64	170	559	451	290	197
Median age	66.1	72.5	62.5	75.5	68.5	70.2	66.8	64.2	65.6	...
YEAR HOUSEHOLDER MOVED INTO UNIT	—	—	—	—	—	—	—	—	—	—
1979 to March 1980	169	—	—	12	6	19	67	27	38	185
1975 to 1978	304	—	—	—	7	36	62	91	108	226
1970 to 1974	350	—	—	—	—	27	63	166	94	226
1960 to 1969	1 257	5	6	19	23	66	365	331	442	222
1959 or earlier	5 649	—	—	70	177	415	1 893	1 781	1 313	208
ROOMS	—	—	—	—	—	—	—	—	—	—
1 to 3 rooms	53	—	6	4	12	8	—	10	13	139
4 rooms	656	—	—	43	46	128	270	158	11	171
5 rooms	1 959	—	—	22	65	169	767	638	298	197
6 rooms	2 710	5	—	29	55	182	949	789	701	209
7 rooms	1 249	—	—	3	11	50	288	424	473	232
8 or more rooms	1 102	—	—	—	24	26	176	377	499	243
Median	5.9	6.0	3.0	4.7	5.2	5.4	5.7	6.0	6.5	...
YEAR STRUCTURE BUILT	—	—	—	—	—	—	—	—	—	—
1975 to March 1980	17	—	—	5	—	—	—	12	—	215
1970 to 1974	53	—	—	—	7	10	9	27	250+	231
1960 to 1969	478	—	—	8	14	19	125	116	196	221
1950 to 1959	1 899	—	6	7	8	65	544	760	509	221
1940 to 1949	1 154	—	—	11	12	29	407	358	337	216
1939 or earlier	4 128	5	—	70	179	443	1 364	1 141	926	200
VALUE	—	—	—	—	—	—	—	—	—	—
Less than \$10,000	189	—	6	21	16	48	66	14	18	153
\$10,000 to \$19,999	666	—	—	44	49	124	258	161	30	172
\$20,000 to \$29,999	2 277	5	—	28	85	231	997	633	298	190
\$30,000 to \$39,999	2 301	—	—	8	39	108	794	888	464	211
\$40,000 to \$49,999	1 253	—	—	—	24	52	262	477	438	230
\$50,000 to \$59,999	430	—	—	—	—	—	50	148	232	250+
\$60,000 to \$79,999	406	—	—	—	—	—	23	75	308	250+
\$80,000 to \$99,999	82	—	—	—	—	—	—	—	82	250+
\$100,000 to \$149,999	113	—	—	—	—	—	—	—	113	250+
\$150,000 or more	12	—	—	—	—	—	—	12	—	250+
Median	\$32 700	\$21 300	\$10000	\$15 900	\$24 100	\$24 100	\$28 800	\$33 600	\$43 800	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979	—	—	—	—	—	—	—	—	—	—
Less than 10 percent	2 038	5	6	18	49	104	670	654	532	213
10 to 14 percent	1 856	—	8	44	44	122	557	655	470	215
15 to 19 percent	1 062	—	24	30	112	319	290	287	208	208
20 to 24 percent	704	—	20	22	44	256	193	169	203	203
25 to 29 percent	436	—	—	26	19	121	128	142	220	220
30 to 34 percent	350	—	—	14	50	90	105	91	210	210
35 percent or more	1 212	—	13	28	112	418	354	287	205	205
Not computed	71	—	18	—	19	19	17	17	17	196
Median	14.8	10—	10—	18.2	17.2	17.5	14.9	14.1	14.9	...
SELECTED CHARACTERISTICS	—	—	—	—	—	—	—	—	—	—
Heating equipment	7 729	5	6	101	213	563	2 450	2 396	1 995	211
Steam or hot water system	5 928	5	—	32	120	335	1 795	1 976	1 665	217
Central warm-air furnace or electric heat pump	1 208	—	—	25	49	176	468	300	190	188
Other built-in electric units	178	—	—	8	7	—	52	45	66	224
Floor, wall, or pipeless furnace	57	—	—	9	8	11	14	15	15	152
Other means	358	—	6	27	29	41	121	60	74	181
Air conditioning	2 627	—	6	7	46	147	727	829	865	223
Central system	204	—	—	—	8	20	26	23	127	250+
1 or more individual room units	2 423	—	6	7	38	127	701	806	738	221
House heating fuel	7 729	5	6	101	213	563	2 450	2 396	1 995	211
Utility gas	2 227	—	—	40	73	280	863	638	333	192
Bottled, tank, or LP gas	73	—	—	13	—	6	24	12	18	186
Electricity	196	—	—	8	15	—	58	45	70	219
Fuel oil, kerosene, etc.	5 188	5	6	40	125	272	1 476	1 701	1 563	220
Other	45	—	—	—	—	5	29	—	11	180

Table B—7. Year Structure Built for Owner- and Renter-Occupied Housing Units: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.)

Worcester city

	Owner-occupied housing units						Renter-occupied housing units					
	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier
	Occupied housing units	25 555	202	534	2 030	7 057	15 732	33 165	1 672	4 220	2 694	5 053	19 526
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families	17 632	179	418	1 602	5 186	10 247	11 599	402	1 259	737	1 729	7 472
15 to 24 years	216	5	10	7	29	165	1 197	22	143	108	271	653
25 to 34 years	2 570	80	129	235	639	1 487	3 435	69	288	196	713	2 169
35 to 44 years	2 883	43	140	340	733	1 627	1 371	59	104	63	215	930
45 to 64 years	8 146	46	125	845	2 630	4 500	3 169	69	297	174	337	2 292
65 years and over	3 817	5	14	175	1 155	2 468	2 427	183	427	196	193	1 428
Male householder, no wife present	2 204	13	36	155	544	1 456	6 578	279	734	391	891	4 283
15 to 24 years	92	—	—	12	44	36	1 661	58	186	57	271	1 089
25 to 34 years	250	7	16	6	76	145	1 646	49	171	68	249	1 109
35 to 44 years	256	—	7	30	31	188	793	29	75	67	81	541
45 to 64 years	744	6	7	54	169	508	1 316	37	124	72	159	924
65 years and over	862	—	6	53	224	579	1 162	106	178	127	131	620
Female householder, no husband present	5 719	10	80	273	1 327	4 029	14 988	991	2 227	1 566	2 433	7 771
15 to 24 years	11	—	4	—	4	3	2 073	49	166	136	530	1 192
25 to 34 years	281	5	10	16	75	175	3 123	116	426	229	784	1 568
35 to 44 years	523	5	16	47	110	345	1 600	42	210	154	331	863
45 to 64 years	1 939	—	44	125	588	1 182	3 094	186	350	207	386	1 965
65 years and over	2 965	—	6	85	550	2 324	5 098	598	1 075	840	402	2 183
Median age	56.5	35.4	39.9	50.2	57.4	57.5	44.0	66.0	56.2	59.2	32.9	43.2
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980	1 439	57	57	77	396	852	9 629	512	1 107	631	1 834	5 545
1975 to 1978	3 741	145	151	387	984	2 074	11 912	1 160	1 764	1 092	1 886	6 010
1970 to 1974	3 290	—	326	251	775	1 938	5 242	—	1 349	539	660	2 694
1960 to 1969	5 812	—	—	1 315	1 371	3 126	3 299	—	—	432	457	2 410
1959 or earlier	11 273	—	—	—	3 531	7 742	3 083	—	—	—	216	2 867
ROOMS												
1 room	13	—	—	—	—	13	1 195	27	234	277	146	511
2 rooms	41	—	—	9	9	23	2 189	378	710	319	152	630
3 rooms	226	5	6	17	42	156	5 067	726	1 167	662	662	1 850
4 rooms	2 227	33	65	176	660	1 293	7 588	347	1 188	780	1 542	3 731
5 rooms	6 501	49	114	690	2 064	3 584	9 173	112	593	452	1 509	6 507
6 rooms	8 649	50	214	635	2 402	5 348	6 364	41	200	129	807	5 187
7 or more rooms	7 898	65	135	503	1 880	5 315	1 589	41	128	75	235	1 110
Median	5.9	5.8	5.9	5.7	5.8	6.0	4.6	3.1	3.5	3.6	4.5	5.0
PLUMBING FACILITIES BY PERSONS PER ROOM												
Complete plumbing for exclusive use	25 335	202	534	2 025	7 050	15 524	32 311	1 665	4 186	2 672	4 873	18 915
0.50 or less	16 763	119	261	1 165	4 804	10 414	21 107	1 239	2 721	1 667	2 664	12 816
0.51 to 1.00	8 162	83	262	837	2 115	4 865	10 301	384	1 323	951	1 990	5 653
1.01 to 1.50	367	—	11	23	117	216	743	38	110	35	190	370
1.51 or more	43	—	—	—	14	29	160	4	32	19	29	76
Lacking complete plumbing for exclusive use	220	—	—	5	7	208	854	7	34	22	180	611
0.50 or less	138	—	—	—	—	138	337	7	23	—	98	209
0.51 to 1.00	82	—	—	5	7	70	478	—	6	12	75	385
1.01 to 1.50	—	—	—	—	—	—	24	—	5	10	—	9
1.51 or more	—	—	—	—	—	—	15	—	—	—	7	8
PERSONS IN UNIT												
1 person	4 096	11	61	181	941	2 902	12 674	1 025	2 091	1 390	1 511	6 657
2 persons	8 669	46	120	688	2 739	5 076	9 653	451	1 185	692	1 314	6 011
3 persons	4 687	46	69	384	1 371	2 817	4 837	87	441	255	991	3 063
4 persons	4 082	65	142	431	1 102	2 342	3 159	41	223	194	664	2 037
5 persons	2 455	21	105	250	532	1 547	1 666	22	173	46	328	1 097
6 or more persons	1 566	13	37	96	372	1 048	1 176	46	107	117	245	661
Median	2.50	3.46	3.62	2.88	2.44	2.48	1.90	1.32	1.52	1.47	2.27	2.02
Total persons	74 934	694	1 879	6 474	19 994	45 893	75 326	2 769	7 987	5 270	13 045	46 255
UNITS IN STRUCTURE												
1, detached or attached	18 642	178	415	1 946	6 614	9 489	1 793	56	90	155	723	769
2	2 741	5	57	33	268	2 378	4 102	21	69	222	755	3 035
3 and 4	3 813	7	13	6	133	3 654	14 080	54	154	321	1 780	11 771
5 to 9	194	—	8	—	29	157	4 555	87	448	437	1 167	2 416
10 to 49	79	—	28	4	9	38	4 806	491	1 922	758	458	1 177
50 or more	15	—	—	5	4	6	3 790	960	1 537	801	153	339
Mobile home or trailer, etc.	71	12	13	36	—	10	39	3	—	—	17	19
SELECTED CHARACTERISTICS												
Heating equipment	25 536	202	534	2 030	7 057	15 713	33 116	1 672	4 214	2 694	5 053	19 483
Steam or hot water system	18 248	74	97	1 159	5 106	11 812	14 502	549	1 441	1 010	2 800	8 702
Central warm-air furnace or electric heat pump	4 011	66	235	459	1 462	1 789	4 293	522	920	761	641	1 449
Other built-in electric units	792	46	172	291	141	142	3 212	544	1 536	709	228	195
Floor, wall, or pipeless furnace	195	—	4	38	48	105	303	3	75	57	61	107
Other means	2 290	16	26	83	300	1 865	10 806	54	242	157	1 323	9 030
Air conditioning	8 703	41	219	890	2 723	4 830	7 790	1 059	2 327	848	713	2 803
Central system	573	15	81	90	202	185	1 598	447	598	223	115	215
1 or more individual room units	8 130	26	138	800	2 521	4 645	6 192	652	1 729	625	598	2 588
House heating fuel	25 536	202	534	2 030	7 057	15 713	33 116	1 672	4 214	2 694	5 053	19 483
Utility gas	10 186	68	198	675	1 984	7 261	17 805	603	1 355	830	2 383	12 634
Bottled, tank, or LP gas	160	—	4	6	30	120	511	12	29	33	91	346
Electricity	882	46	226	304	145	161	4 419	774	1 968	1 017	360	300
Fuel oil, kerosene, etc.	13 978	77	96	1 014	4 796	7 995	10 289	272	862	814	2 195	6 146
Other	330	11	10	31	102	176	92	11	—	—	24	57
Income in 1979 below poverty level	1 298	18	17	82	294	887	6 777	322	774	457	1 395	3 829
Percent below poverty level	5.1	8.9	3.2	4.0	4.2	5.6	20.4	19.3	18.3	17.0	27.6	19.6
HOUSEHOLD INCOME IN 1979												
Less than \$5,000	1 977	13	24	88	476	1 376	8 309	633	1 275	913	1 288	4 200
\$5,000 to \$9,999	3 147	16	32	195	728	2 176	7 819	537	1 077	638	1 162	4 405
\$10,000 to \$12,499	1 647	6	23	92	376	1 150	3 566	159	384	258	547	2 218
\$12,500 to \$14,999	1 521	10	34	80	422	975	3 041	92	400	187	485	1 877
\$15,000 to \$19,999	3 966	43	81	330	980	2 532	4 683	139	436	301	856	2 951
\$20,000 to \$24,999	3 904	36	103	324	1 228	2 213	2 757	52	319	178	365	1 843
\$25,000 to \$34,999	5 210	48	173	483	1 559	2 947	2 100	43	250	155	235	1 417
\$35,000 to \$49,999	2 970	10	35	316	932	1 677	700	7	79	44	89	481
\$50,000 or more	1 213	20	29	122	356	686	190	10	—	20	26	134
Median	\$20 618	\$21 711	\$23 370	\$23 321	\$22 102	\$19 348	\$10 319	\$6 621	\$8 696	\$8 217	\$10 350</td	

Table B—8. Units in Structure for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B]

Worcester city	Owner-occupied housing units					Renter-occupied housing units							
	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or attached	2 units	3 and 4 units	5 to 9 units	10 to 49 units	50 or more units	Mobile home or trailer, etc.	
Occupied housing units	25 555	18 642	6 842	71	33 165	1 793	4 102	14 080	4 555	4 806	3 790	39	
Condominium housing units	39	14	25	—	95	5	—	—	5	35	50	—	
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families	17 632	13 400	4 186	46	11 599	811	1 752	6 003	1 064	1 358	605	6	
15 to 24 years	216	149	67	—	1 197	44	169	658	127	173	26	—	
25 to 34 years	2 570	2 012	552	6	3 435	241	491	1 971	311	364	57	—	
35 to 44 years	2 883	2 350	521	12	1 371	73	224	756	138	158	22	—	
45 to 64 years	8 146	6 242	1 898	6	3 169	317	487	1 653	332	255	119	6	
65 years and over	3 817	2 647	1 148	22	2 427	136	381	965	156	408	381	—	
Male householder, no wife present	2 204	1 385	800	19	6 578	305	649	2 418	1 278	1 186	714	28	
15 to 24 years	92	49	43	—	1 661	51	140	719	404	271	73	3	
25 to 34 years	250	132	118	—	1 646	123	130	704	310	307	72	—	
35 to 44 years	256	124	125	7	793	42	62	231	200	192	60	6	
45 to 64 years	744	446	292	6	1 316	61	198	428	224	273	119	13	
65 years and over	862	634	222	6	1 162	28	119	336	140	143	390	6	
Female householder, no husband present	5 719	3 857	1 856	6	14 988	677	1 701	5 659	2 213	2 262	2 471	5	
15 to 24 years	11	7	4	—	2 073	104	201	940	499	270	59	—	
25 to 34 years	281	211	70	—	3 123	169	371	1 280	584	610	104	5	
35 to 44 years	523	375	148	—	1 600	111	164	734	295	223	73	—	
45 to 64 years	1 939	1 315	624	—	3 094	97	468	1 360	400	449	320	—	
65 years and over	2 965	1 949	1 010	6	5 098	196	497	1 345	435	710	1 915	—	
Median age	56.5	56.0	58.0	58.8	44.0	42.0	48.6	38.9	35.5	41.7	71.6	52.1	
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980	1 439	943	478	18	9 629	512	996	4 022	1 738	1 627	720	14	
1975 to 1978	3 741	2 938	791	12	11 912	548	1 298	4 644	1 444	2 078	1 887	13	
1970 to 1974	3 290	2 381	896	13	5 242	284	618	1 876	749	720	989	6	
1960 to 1969	5 812	4 601	1 193	18	3 299	192	545	1 657	417	298	184	—	
1959 or earlier	11 273	7 779	3 484	10	3 083	257	645	1 881	207	83	10	—	
ROOMS													
1 room	13	—	13	—	1 195	28	6	55	175	305	613	13	
2 rooms	41	20	21	—	2 189	51	29	183	203	496	1 222	5	
3 rooms	226	95	113	18	5 067	118	391	981	1 003	1 244	1 321	9	
4 rooms	2 227	1 182	1 002	43	7 588	363	1 116	2 190	1 617	1 839	457	6	
5 rooms	6 501	4 052	2 443	6	9 173	511	1 456	5 262	1 155	678	105	—	
6 rooms	8 649	6 311	2 334	4	6 364	363	847	4 711	280	122	41	—	
7 or more rooms	7 898	6 982	916	—	1 589	359	257	698	122	122	31	—	
Median	5.9	6.1	5.4	3.9	4.6	5.2	4.8	5.2	4.1	3.7	2.5	2.7	
PLUMBING FACILITIES BY PERSONS PER ROOM													
Complete plumbing for exclusive use	25 335	18 630	6 634	71	32 311	1 779	4 060	13 881	4 358	4 541	3 659	33	
0.50 or less	16 763	12 469	4 247	47	21 107	920	2 843	8 999	2 616	3 111	2 604	14	
0.51 to 1.00	8 162	5 900	2 238	24	10 301	767	1 150	4 500	1 544	1 326	995	19	
1.01 to 1.50	367	232	135	—	743	81	61	330	172	84	15	—	
1.51 or more	43	29	14	—	160	11	6	52	26	20	45	—	
Locking complete plumbing for exclusive use	220	12	208	—	854	14	42	199	197	265	131	6	
0.50 or less	138	12	126	—	337	14	38	122	79	60	18	6	
0.51 to 1.00	82	—	82	—	478	—	4	68	93	200	113	—	
1.01 to 1.50	—	—	—	—	24	—	—	9	10	5	—	—	
1.51 or more	—	—	—	—	15	—	—	—	15	—	—	—	
BEDROOMS													
None	19	—	19	—	1 270	28	6	61	187	345	630	13	
1	1 083	620	445	18	8 934	214	831	1 843	1 654	1 973	2 405	14	
2	7 372	4 560	2 769	43	12 581	647	2 018	5 429	1 774	2 065	642	6	
3	12 526	9 337	3 179	10	8 986	635	1 111	6 058	726	343	113	—	
4	3 512	3 196	316	—	1 088	146	110	597	168	61	—	6	
5 or more	1 043	929	114	—	306	123	26	92	46	19	—	—	
HOUSEHOLD INCOME IN 1979													
Less than \$5,000	1 977	1 207	757	13	8 309	421	721	2 711	1 382	1 089	1 972	13	
\$5,000 to \$9,999	3 147	1 954	1 177	16	7 819	376	830	3 193	1 130	1 129	1 144	17	
\$10,000 to \$12,499	1 647	1 070	571	6	3 566	188	422	1 692	488	560	216	—	
\$12,500 to \$14,999	1 521	1 040	469	12	3 041	104	387	1 484	386	543	137	—	
\$15,000 to \$19,999	3 966	2 827	1 139	—	4 683	229	792	2 266	571	671	151	3	
\$20,000 to \$24,999	3 904	2 945	947	12	2 757	179	435	1 367	287	420	63	6	
\$25,000 to \$34,999	5 210	4 036	1 168	6	2 100	184	327	1 000	218	295	76	—	
\$35,000 to \$49,999	2 970	2 460	504	6	700	76	162	309	82	61	10	—	
\$50,000 or more	1 213	1 103	110	—	190	36	26	58	11	38	21	—	
Median	\$20 618	\$22 022	\$16 964	\$12 604	\$10 319	\$11 323	\$13 004	\$11 678	\$8 737	\$10 826	\$4 884	\$7 813	
Mean	\$23 292	\$25 106	\$18 435	\$14 968	\$12 327	\$15 411	\$14 429	\$13 123	\$10 757	\$12 310	\$7 576	\$9 751	
SELECTED CHARACTERISTICS													
Heating equipment	25 536	18 642	6 823	71	33 116	1 793	4 102	14 037	4 549	4 806	3 790	39	
Steam or hot water system	18 248	13 653	4 595	—	14 502	960	2 531	4 636	2 630	2 306	1 426	13	
Central warm-air furnace or electric heat pump	4 011	3 295	649	67	4 293	459	419	893	412	952	1 147	11	
Other built-in electric units	792	701	91	—	3 212	148	139	241	392	1 182	1 110	—	
Floor, wall, or pipeless furnace	195	167	28	—	303	17	27	75	85	74	22	3	
Other means	2 290	826	1 460	4	10 806	209	986	8 192	1 030	292	85	12	
Air conditioning	8 703	6 643	2 024	36	7 790	294	755	1 883	587	2 399	1 869	3	
Central system	573	448	125	—	1 598	31	26	64	71	421	985	—	
Vehicles available	23 263	17 371	5 827	65	21 971	1 350	3 226	9 965	2 682	3 358	1 370	20	
1	11 652	8 155	3 444	53	16 485	870	2 259	7 230	2 138	2 721	1 250	17	
2 or more	11 611	9 216	2 383	12	5 486	480	967	2 735	544	637	120	3	
House heating fuel	25 536	18 642	6 823	71	33 116	1 793	4 102	14 037	4 549	4 806	3 790	39	
Utility gas	10 186	6 228	3 958	—	17 805	563	2 139	10 613	2 052	1 425	998	15	
Bottled, tank, or LP gas	160	111	49	—	511	37	58	283	75	44	8	6	
Electricity	882	762	120	—	4 419	214	192	358	486	1 550	1 614	5	
Fuel oil, kerosene, etc.	13 978	11 234	2 673	71	10 289	965	1 701	2 752	1 932	1 766	1 160	13	
Other	330	307	23	—	92	14	12	31	4	21	10	—	
Water heating fuel	25 549	18 636	6 842	71	33 066	1 788	4 102	14 063	4 548	4 772	3 760	33	
Utility gas	11 038	6 757	4 281	—	18 291	637	2 240	10 516	2 210	1 555	1 124	9	
Bottled, tank, or LP gas	331	208	98	25	802	18	78	494	107	73	26	6	
Electricity	3 567	3 065	460	42	5 832	517	490	985	726	1 613	1 490	11	
Fuel oil, kerosene, etc.	10 572	8 571	1 997	4	8 102	610	1 294	2 055	1 505	1 511	1 120	7	
Other	41	35	6	—	39	6	—	13	—	20	—	—	
Family householder	21 164	15 863	5 255	46	18 061	1 335	2 443	9 121	2 209	2 094	853	6	
With own children under 18 years	8 712	6 779	1 915	18	9 379	776	1 132	4 933	1 399	914	225	—	
With own children under 6 years	2 776	2 179	597	—	4 842	353	577	2 533	752	517	110	—	
Female householder, no husband present	2 773	1 990	783	—	5 637	456	585	2 693	1 028	646	229	—	
With own children under 18 years	799	594	205	—	4 057	358	390	1 915	841	432	121	—	
With own children under 6 years	107	76	31	—	1 811	167	140	783	486	203			

Table B—9. Owner- and Renter-Occupied Housing Units by Size of Household: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

Worcester city

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
Owner-occupied housing units	25 555	4 096	8 669	4 687	4 082	2 455	1 029	340	197	2.50	74 934
Nonrelatives present	658	—	239	206	82	53	43	16	19	2.94	2 279
ROOMS											
1 to 3 rooms	280	146	87	25	5	17	—	—	—	1.46	498
4 rooms	2 227	721	965	396	104	23	18	—	—	1.91	4 467
5 rooms	6 501	1 168	2 781	1 072	929	417	101	20	13	2.25	16 584
6 rooms	8 649	1 314	2 868	1 658	1 498	798	378	111	24	2.59	25 489
7 rooms	4 328	416	1 204	880	840	589	258	85	56	3.12	14 709
8 or more rooms	3 570	331	764	656	706	611	274	124	104	3.55	13 187
Median	5.9	5.5	5.7	6.0	6.2	6.5	6.6	7.0	7.6	...	...
PLUMBING FACILITIES BY PERSONS PER ROOM											
Complete plumbing for exclusive use	25 335	4 063	8 586	4 655	4 051	2 425	1 018	340	197	2.50	74 260
1.00 or less	24 925	4 063	8 586	4 655	4 046	2 385	899	209	82	2.48	71 540
1.01 to 1.50	367	—	—	—	5	23	119	131	89	6.78	2 472
1.51 or more	43	—	—	—	—	17	—	—	26	8.14	248
Lacking complete plumbing for exclusive use	220	33	83	32	31	30	11	—	—	2.43	674
1.00 or less	220	33	83	32	31	30	11	—	—	2.43	674
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	—	—	—	—	—	—	—	—	—	—	—
UNITS IN STRUCTURE											
1, detached or attached	18 642	2 603	6 201	3 595	3 050	2 030	763	252	148	2.64	55 647
2 or more	6 842	1 468	2 440	1 074	1 032	425	266	88	49	2.30	19 153
Mobile home or trailer, etc.	71	25	28	18	—	—	—	—	—	1.88	134
VALUE											
Specified owner-occupied housing units	17 655	2 421	5 853	3 362	2 929	1 948	748	246	148	2.66	52 948
Less than \$10,000	254	68	72	48	11	43	10	—	2	2.32	641
\$10,000 to \$19,999	1 062	236	384	194	123	71	39	15	—	2.27	2 420
\$20,000 to \$29,999	4 153	855	1 472	726	451	397	146	54	52	2.33	10 959
\$30,000 to \$39,999	5 616	628	1 876	1 151	1 012	538	278	95	38	2.76	17 245
\$40,000 to \$49,999	3 566	400	1 099	630	691	499	152	63	32	2.95	11 844
\$50,000 to \$59,999	1 409	110	417	285	315	173	76	15	18	3.12	4 759
\$60,000 to \$79,999	994	92	334	223	237	89	9	4	6	2.82	3 022
\$80,000 to \$99,999	282	11	108	38	48	64	13	—	—	3.08	975
\$100,000 to \$149,999	245	21	63	61	41	38	21	—	—	3.13	718
\$150,000 or more	74	—	28	6	—	36	4	—	—	4.58	365
Median	\$35 500	\$30 700	\$35 200	\$35 800	\$38 500	\$38 200	\$34 600	\$36 300	\$34 800	...	...
SELECTED CHARACTERISTICS											
All income levels in 1979	25 555	4 096	8 669	4 687	4 082	2 455	1 029	340	197	2.50	74 934
Median income	\$20 618	\$7 776	\$18 367	\$24 496	\$24 897	\$27 156	\$28 729	\$28 065	\$31 227	...	...
Median selected monthly owner costs as percentage of household income	17.6	32.5	17.3	15.2	16.5	16.6	16.0	14.8	14.8	...	...
With a mortgage	19.0	33.4	19.0	18.5	19.0	17.8	17.2	17.3	15.5	...	...
Not mortgaged	14.8	31.9	15.6	11.2	10—	10—	10.3	10—	10—	...	...
Income in 1979 below poverty level	1 298	491	370	119	156	94	40	21	7	1.93	...
Median income	\$3 125	\$2 545	\$3 054	\$3 976	\$3 226	\$5 068	\$5 000	\$9 250	\$9 250	...	...
Median selected monthly owner costs as percentage of household income	50+	50+	50+	50+	50+	50+	50+	50+	22.5	...	...
With a mortgage	50+	50+	50+	50+	50+	50+	50+	50+	—	...	...
Not mortgaged	50+	50+	50+	50+	50+	29.6	—	—	22.5	...	...
Renter-occupied housing units	33 165	12 674	9 653	4 837	3 159	1 666	624	408	144	1.90	75 326
Nonrelatives present	3 197	—	1 773	755	344	201	76	44	4	2.40	8 929
ROOMS											
1 room	1 195	1 119	76	—	—	—	—	—	—	1.03	1 248
2 rooms	2 189	1 830	333	13	10	3	—	—	—	1.10	2 573
3 rooms	5 067	3 653	1 126	203	70	8	—	7	—	1.19	6 838
4 rooms	7 588	2 853	3 053	1 091	418	114	31	28	—	1.81	14 742
5 rooms	9 173	2 150	2 933	1 842	1 222	748	185	66	27	2.33	24 165
6 rooms	6 364	899	1 799	1 327	1 160	627	272	224	56	2.86	20 062
7 or more rooms	1 589	170	333	361	279	166	136	83	61	3.31	5 698
Median	4.6	3.4	4.6	5.1	5.4	5.4	5.9	6.0	6.3	...	...
PLUMBING FACILITIES BY PERSONS PER ROOM											
Complete plumbing for exclusive use	32 311	12 063	9 511	4 791	3 131	1 662	606	403	144	1.93	74 010
1.00 or less	31 408	12 063	9 450	4 778	3 056	1 537	404	83	37	1.89	68 532
1.01 to 1.50	743	—	—	13	65	114	202	285	64	6.39	4 584
1.51 or more	160	—	61	—	10	11	—	35	43	5.32	894
Lacking complete plumbing for exclusive use	854	611	142	46	28	4	18	5	—	1.20	1 316
1.00 or less	815	611	127	46	23	4	4	—	—	1.17	1 154
1.01 to 1.50	24	—	—	—	5	—	14	5	—	6.00	1 132
1.51 or more	15	—	15	—	—	—	—	—	—	2.00	30
UNITS IN STRUCTURE											
1, detached or attached	1 793	334	504	415	264	162	35	44	35	2.64	5 131
2	4 102	1 405	1 355	623	422	164	98	15	20	1.98	9 513
3 and 4	14 080	3 897	4 269	2 617	1 775	910	359	191	62	2.24	36 007
5 to 9	4 555	1 739	1 348	559	407	296	74	124	8	1.90	10 628
10 to 49	4 806	2 402	1 463	491	233	111	58	34	14	1.50	9 043
50 or more	3 790	2 870	708	126	58	23	—	—	5	1.16	4 946
Mobile home or trailer, etc.	39	27	6	6	—	—	—	—	—	1.22	58
GROSS RENT											
Specified renter-occupied housing units	33 038	12 644	9 639	4 804	3 152	1 640	624	391	144	1.90	74 966
Less than \$100	3 383	2 196	438	321	202	184	22	4	16	1.27	5 932
\$100 to \$149	3 157	1 827	750	251	159	78	23	50	19	1.36	5 916
\$150 to \$199	6 432	2 600	2 130	802	529	237	69	43	22	1.79	13 450
\$200 to \$249	8 622	2 946	2 627	1 416	995	379	166	74	19	2.02	19 845
\$250 to \$299	5 637	1 643	1 601	1 052	610	396	161	139	35	2.23	14 725
\$300 to \$349	3 247	854	1 230	478	332	217	81	45	10	2.13	8 099
\$350 to \$399	1 125	179	418	191	170	95	58	7	7	2.42	3 213
\$400 to \$449	470	92	186	89	47	9	19	24	4	2.27	1 336
\$500 or more	174	25	42	39	25	11	20	—	12	3.01	586
No cash rent	791	282	217	165	83	34	5	5	—	2.02	1 864
Median	\$217	\$192	\$225	\$231	\$234	\$242	\$258	\$256	\$225	...	...
SELECTED CHARACTERISTICS											
All income levels in 1979	33 165	12 674	9 653	4 837	3 159	1 666	624	408	144	1.90	75 326
Median income	\$10 319	\$6 253	\$12 579	\$13 649	\$14 454	\$14 172	\$15 858	\$13 232	\$15 000	...	...
Median gross rent as percentage of household income	23.9	28.6	21.6	20.8	20.3	19.8	18.5	19.6	17.1	...	...
Income in 1979 below poverty level	6 777	2 428	1 496	1 113	775	557	169	171	68	2.14	...
Median income	\$3 496	\$2 500	\$3 519	\$3 921	\$4 115	\$5 324	\$6 744	\$7 040	\$9 500	...	...
Median gross rent as percentage of household income	50+	50+	50+	50+	50+	38.5	50+	44.0	26.2	...	...

Table B—10. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units: 1980

(Data are estimates based on a sample, see introduction. For meaning of symbols, see appendixes A and 8.)

Worcester city	Married-couple families										Male householder, no wife present										Female householder, no husband present		
	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Median age		
Total	25 555	216	2 570	2 883	8 146	3 817	92	250	256	744	862	11	281	523	1 939	2 965	56.5						
Owner-occupied housing units																							
PERSONS IN UNIT																							
1 person	4 096	103	532	125	2 855	2 902	56	180	128	367	573	4	57	83	758	1 890	68.4						
2 persons	8 669	697	368	92	1 689	632	43	60	51	255	209	4	89	76	636	758	63.5						
3 persons	4 687	825	972	1 689	1 559	—	—	—	—	37	48	—	83	136	317	250	55.2						
4 persons	4 082	74	412	845	882	71	13	13	8	7	16	—	30	101	153	226	45.3						
5 persons	2 455	13	104	573	739	53	5	1.19	9	3	3	—	16	97	44	44	43.2						
6 or more persons	1 566	—	3 57	4 48	3 11	2.16	1.32	1.50	1.52	1.25	1.88	—	6	30	31	13	45.7						
Median	2.50	603	9 176	13	180	28	174	9 968	148	392	1 341	1.25	1.25	1.83	1.83	1.28	4.558	—					
Total persons	74 934	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PLUMBING FACILITIES BY PERSONS PER ROOM																							
Complete plumbing for exclusive use	25 335	216	2 555	2 863	8 094	3 770	92	250	245	738	842	11	281	518	1 928	2 932	56.5						
1.0 or more persons per room	410	—	18	117	22	3 770	5	—	—	—	—	20	—	—	—	—	—	47.3					
Locking complete plumbing for exclusive use	220	—	15	20	52	—	—	—	—	—	—	—	—	—	—	—	—	59.5					
1.0 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979																							
Specified owner-occupied housing units	17 655	149	1 924	2 238	5 957	2 516	46	96	113	409	594	7	202	353	1 215	1 836	56.0						
With a mortgage	9 926	149	1 818	2 059	3 651	2 445	37	77	212	109	109	7	163	307	539	276	46.0						
Less than 15 percent	3 149	6	161	558	1 996	121	5	12	13	87	22	9	18	116	116	25	50.8						
15 to 19 percent	2 238	34	445	584	793	402	6	6	12	38	22	3	13	34	119	36	44.8						
20 to 24 percent	1 619	43	488	378	78	37	5	5	21	38	26	—	14	45	61	61	20	39.7					
25 to 29 percent	924	15	310	231	160	90	34	6	17	8	23	—	17	12	62	62	38.2						
30 to 34 percent	593	33	188	96	181	228	21	42	17	14	22	4	93	127	14	41	41	44.1					
35 percent or more	26	—	7	7	14	—	—	37.5	36.3	23.2	—	50+	41.7	32.4	22.8	—	35.4	35.4					
Not computed	19.0	24.0	106	179	2 306	2 071	9	19	19	197	485	—	39	46	676	1 560	—	—	—	—	—	—	
Median	7 729	—	15	38	1 081	427	—	—	24	70	53	—	—	15	116	116	61.8						
Less than 10 percent	2 038	—	43	89	670	414	—	—	13	8	76	84	—	6	8	204	241	67.0					
10 to 14 percent	856	—	41	9	263	435	9	—	—	—	30	46	—	—	—	—	118	118	—				
15 to 19 percent	662	—	7	20	131	264	—	—	—	—	6	49	—	20	—	—	52	155	70.5				
20 to 24 percent	704	—	—	11	64	144	—	—	—	—	4	54	—	—	—	—	13	44	102				
25 to 29 percent	436	—	—	—	23	128	—	—	—	—	9	45	—	—	—	—	55	90	73.7				
30 to 34 percent	350	—	—	12	67	242	—	6	—	6	143	—	6	10	77	643	74.6						
35 percent or more	212	—	—	14.4	12.9	10.5	17.1	—	17.5	13.7	10—	11.9	—	11	—	17	12	71.3					
Not computed	71	—	—	—	—	—	—	—	—	—	—	—	—	22.5	20.0	15.4	28.0	—	—	—	—	—	
Median	14.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Renter-occupied housing units	33 165	1 197	3 435	1 371	3 169	2 427	1 661	1 646	793	1 316	1 162	2 073	3 123	1 600	3 094	5 098	44.0						
PERSONS IN UNIT																							
1 person	12 674	597	1 034	138	1 357	2 013	541	2 013	709	1 068	573	1 010	1 013	666	1 071	346	1 851	4 367	60.9				
2 persons	9 653	—	949	258	780	323	283	110	403	403	403	141	125	794	809	275	624	624	46.4				
3 persons	4 837	343	205	849	385	509	72	102	44	18	44	41	105	404	546	336	275	63	33.4				
4 persons	1 666	22	455	305	247	305	7	23	10	10	10	19	3	134	344	220	200	18	34.2				
5 persons	1 176	30	148	285	276	276	12	3	11	10	10	10	10	65	223	190	190	15	15				
6 or more persons	1 900	3 414	11 836	6 243	9 939	5 256	2.10	1.72	1.27	1.19	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	42.3		
Median	75 326	—	—	—	—	—	3 211	2 500	1 224	1 754	1 309	4 505	7 447	5 139	5 139	5 139	5 139	5 139	5 139	5 139	5 139	5 139	5 139
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979																							
Specified renter-occupied housing units	32 311	1 164	3 386	1 358	3 152	2 427	1 577	1 568	729	1 228	1 049	1 973	3 076	1 565	3 025	5 014	44.2						
Less than 15 percent	903	48	148	13	17	5	36	58	64	88	113	100	47	100	79	40	40	40	37.4				
15 to 19 percent	854	33	49	9	—	—	—	—	—	—	—	—	—	100	100	69	84	84	39.4				
20 to 24 percent	39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39.5				
25 to 29 percent	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43.9				
30 to 34 percent	2 047	74	126	54	97	212	74	165	145	145	145	145	145	145	145	145	145	145	46.5				
35 to 49 percent	3 616	61	198	64	167	365	323	102	102	102	102	102	102	102	102	102	102	102	51.3				
50 percent or more	5 491	91	226	119	157	171	350	171	171	171	171	171	171	171	171	171	171	171	52.9				
Not computed	1 373	21	58	70	129	149	99	70	70	70	70	70	70	70	70	70	70	70	52.9				
Median	23.9	18.8	18.2	17.0	15.3	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	27.1	27.1	27.1	27.1	

Table B—11. Age and Sex of Householder in One-Person Households for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample; see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

Worcester city

	Male householder							Female householder						
	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over		
Owner-occupied housing units	4 096	1 304	56	180	128	367	573	2 792	4	57	83	758	1 890	
PLUMBING FACILITIES														
Complete plumbing for exclusive use	4 063	1 284	56	180	123	361	564	2 779	4	57	83	758	1 877	
Locking complete plumbing for exclusive use	33	20	—	—	5	6	9	13	—	—	—	—	13	
UNITS IN STRUCTURE														
1, detached or attached	2 603	830	32	79	74	225	420	1 773	4	32	45	486	1 206	
2 or more	1 468	455	24	101	47	136	147	1 013	—	25	38	272	678	
Mobile home or trailer, etc.	25	19	—	—	7	6	6	6	—	—	—	—	6	
HOUSEHOLD INCOME IN 1979														
Less than \$5,000	1 293	192	—	12	17	40	123	1 101	4	7	—	143	947	
\$5,000 to \$9,999	1 239	391	19	22	11	68	271	848	—	17	23	223	585	
\$10,000 to \$12,499	356	111	—	21	10	32	48	245	—	10	19	102	114	
\$12,500 to \$14,999	311	121	19	23	23	29	27	190	—	10	12	102	66	
\$15,000 to \$19,999	473	246	18	44	45	91	48	227	—	13	24	100	90	
\$20,000 to \$24,999	215	136	—	32	11	65	28	79	—	—	5	39	35	
\$25,000 to \$34,999	146	BB	—	20	11	29	28	58	—	—	—	26	32	
\$35,000 to \$49,999	38	7	—	—	7	—	—	31	—	—	—	16	15	
\$50,000 or more	25	12	—	6	—	6	—	13	—	—	—	7	6	
Median	\$7 776	\$11 554	\$13 684	\$16 200	\$15 577	\$15 929	\$7 979	\$6 493	\$2500—	\$11 125	\$12 434	\$10 319	\$4 994	
Mean	\$10 155	\$13 112	\$12 544	\$17 835	\$14 987	\$15 694	\$9 612	\$B 774	\$1 705	\$10 254	\$13 248	\$11 681	\$7 382	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS														
Specified owner-occupied housing units	2 421	765	32	59	74	201	399	1 656	4	32	45	440	1 135	
With a mortgage	686	308	32	47	57	99	73	378	4	20	45	145	164	
Less than \$200	93	23	—	—	6	17	70	—	—	6	14	50		
\$200 to \$249	78	28	5	—	12	11	—	50	—	6	—	23	21	
\$250 to \$299	189	70	—	—	—	46	24	119	—	6	78	35		
\$300 to \$349	89	16	—	—	5	6	5	73	—	5	26	18	24	
\$350 to \$399	81	48	—	—	24	5	19	33	—	5	—	12	16	
\$400 to \$449	84	64	18	28	4	6	8	20	4	4	—	—	12	
\$500 to \$599	53	40	9	19	7	5	—	13	—	—	7	—	6	
\$600 to \$749	14	14	—	—	—	14	—	—	—	—	—	—	—	
\$750 or more	5	5	—	—	5	—	—	—	—	—	—	—	—	
Median	\$296	\$368	\$471	\$480	\$374	\$285	\$291	\$279	\$425	\$340	\$320	\$273	\$266	
Not mortgaged	1 735	457	—	12	17	102	326	1 278	—	12	—	295	971	
Less than \$50	—	—	—	—	—	—	—	—	—	—	—	—	—	
\$50 to \$74	6	6	—	—	6	—	—	—	—	—	—	—	—	
\$75 to \$99	52	31	—	—	13	18	21	—	—	—	—	—	21	
\$100 to \$124	79	35	—	—	13	17	5	44	—	—	—	—	44	
\$125 to \$149	225	39	—	—	13	26	186	—	—	—	54	132		
\$150 to \$199	683	185	—	6	—	41	138	498	—	7	—	118	373	
\$200 to \$249	395	74	—	—	12	62	321	—	—	—	91	230		
\$250 or more	295	87	—	6	4	—	77	208	—	5	—	32	171	
Median	\$187	\$182	—	\$225	\$116	\$152	\$191	\$189	—	\$193	—	\$190	\$189	
SELECTED CHARACTERISTICS														
Median selected monthly owner costs as percentage of household income in 1979	32.5	25.7	40.0	39.6	21.9	15.7	30.9	35.3	50+	26.5	31.5	23.7	42.4	
With a mortgage	33.4	29.1	40.0	47.5	23.3	22.2	30.7	36.5	50+	29.0	31.5	29.2	50+	
Not mortgaged	31.9	24.4	—	25.0	10—	12.2	31.0	34.9	—	22.5	—	19.9	41.6	
Income in 1979 below poverty level	491	103	—	12	10	34	47	388	4	7	—	84	293	
Percent below poverty level	12.0	7.9	—	6.7	7.8	9.3	8.2	13.9	100.0	12.3	—	11.1	15.5	
Renter-occupied housing units	12 674	4 373	709	1 068	573	1 010	1 013	B 301	666	1 071	346	1 851	4 367	
PLUMBING FACILITIES														
Complete plumbing for exclusive use	12 063	3 987	640	1 010	515	922	900	B 076	609	1 040	334	1 799	4 294	
Locking complete plumbing for exclusive use	611	386	69	58	58	88	113	225	57	31	12	52	73	
UNITS IN STRUCTURE														
1, detached or attached	334	166	22	74	23	31	16	168	—	6	5	34	123	
2	1 405	431	51	84	42	171	83	974	74	174	48	283	395	
3 and 4	3 897	1 400	237	458	144	279	282	2 497	261	371	136	700	1 029	
5 to 9	1 739	781	183	173	155	162	108	958	152	159	40	233	374	
10 to 49	2 402	928	158	218	166	250	136	1 474	137	311	95	331	600	
50 or more	2 870	645	55	61	43	104	382	2 225	42	45	22	270	1 846	
Mobile home or trailer, etc.	27	22	3	—	—	13	6	5	—	5	—	—	—	
HOUSEHOLD INCOME IN 1979														
Less than \$5,000	5 355	1 307	188	180	114	297	528	4 048	271	100	87	769	2 821	
\$5,000 to \$9,999	3 341	1 086	229	224	115	205	313	2 255	223	277	116	600	1 039	
\$10,000 to \$12,499	1 401	573	134	174	73	91	101	B 28	82	281	45	194	226	
\$12,500 to \$14,999	1 011	446	81	172	61	89	43	565	58	184	43	136	144	
\$15,000 to \$19,999	1 010	617	77	229	106	187	18	393	32	205	38	76	42	
\$20,000 to \$24,999	324	197	—	48	80	69	—	127	—	1B	17	56	36	
\$25,000 to \$34,999	141	105	—	35	24	42	4	36	—	—	—	14	22	
\$35,000 to \$49,999	47	20	—	—	14	6	27	—	—	—	6	21	16	
\$50,000 or more	44	22	—	6	—	16	—	22	—	—	—	—	16	
Median	\$6 253	\$8 277	\$8 264	\$11 858	\$11 969	\$10 082	\$4 886	\$5 195	\$6 314	\$11 410	\$8 958	\$6 270	\$4 336	
Mean	\$8 160	\$10 161	\$8 261	\$11 762	\$12 427	\$12 356	\$6 333	\$7 105	\$6 610	\$11 455	\$9 189	\$7 527	\$5 770	
GROSS RENT														
Specified renter-occupied housing units	12 644	4 368	709	1 068	573	1 010	1 008	8 276	666	1 071	346	1 845	4 348	
Less than \$100	2 196	370	34	11	21	59	245	1 826	13	1B	—	221	1 574	
\$100 to \$149	1 827	850	72	131	131	245	271	977	46	45	25	324	537	
\$150 to \$199	2 600	907	134	267	B3	220	203	1 693	236	267	97	387	706	
\$200 to \$249	2 946	1 096	243	330	121	256	146	1 850	250	321	91	452	736	
\$250 to \$299	1 643	631	153	183	124	123	48	1 012	B9	25B	56	256	353	
\$300 to \$349	854	320	44	98	42	60	76	534	22	101	34	111	266	
\$350 to \$399	179	47	7	20	20	—	—	132	—	31	17	23	61	
\$400 to \$449	92	33	5	—	16	B	4	59	—	12	—	19	28	
\$500 or more	25	—	—	—	—	—	—	25	—	6	—	—	19	
No cash rent	282	114	17	28	15	39	15	168	10	12	26	52	68	
Median	\$192	\$200	\$220	\$216	\$213	\$192	\$144	\$189	\$205	\$234	\$222	\$196	\$153	
SELECTED CHARACTERISTICS														
Median gross rent as percentage of household income in 1979	28.6	25.4	29.7	23.0	22.7	23.9	28.7	30.6	38.3	24.6	30.1	31.8	32.0	
Income in 1979 below poverty level	2 428	654	148	109	63	182	152	1 774	231	72	60	423	988	
Percent below poverty level	19.2	15.0	20.9	10.2	11.0	18.0	15.0	21.4	34.7	6.7	17.3	22.9	22.6	

Table B—12. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8]

Worcester city

Vacant for sale only housing units

ROOMS

	Total	Less than 2 months	2 up to 6 months	6 or more months
1 to 3 rooms	121	50	23	48
4 rooms	20	—	4	16
5 rooms	21	18	3	—
6 rooms	40	13	4	23
7 rooms	8	3	—	5
8 or more rooms	8	8	—	—
Median	24	8	12	4
	5.0	5.0	7.6	4.8

PLUMBING FACILITIES

	Total	Less than 2 months	2 up to 6 months	6 or more months
Complete plumbing for exclusive use	105	50	23	32
Locking complete plumbing for exclusive use	16	—	—	16

BEDROOMS

	Total	Less than 2 months	2 up to 6 months	6 or more months
None	—	—	—	—
1	21	2	7	12
2	47	24	4	19
3	37	24	—	13
4	8	—	8	4
5 or more	8	—	4	4

YEAR STRUCTURE BUILT

	Total	Less than 2 months	2 up to 6 months	6 or more months
1975 to March 1980	10	5	5	—
1970 to 1974	—	—	—	—
1960 to 1969	6	2	—	4
1950 to 1959	—	—	—	—
1940 to 1949	11	6	—	5
1939 or earlier	94	37	18	39

UNITS IN STRUCTURE

	Total	Less than 2 months	2 up to 6 months	6 or more months
1, detached or attached	41	18	15	8
2 or more	80	32	8	40
Mobile home or trailer	—	—	—	—

HEATING EQUIPMENT

	Total	Less than 2 months	2 up to 6 months	6 or more months
Central heating system	103	36	23	44
Other means	14	14	—	4
None	4	—	—	4

PRICE ASKED

	Total	Less than 2 months	2 up to 6 months	6 or more months
Specified vacant for sale only housing units	41	18	15	8
Less than \$10,000	—	—	—	—
\$10,000 to \$19,999	—	—	—	—
\$20,000 to \$29,999	12	8	4	—
\$30,000 to \$39,999	22	8	6	—
\$40,000 to \$49,999	—	—	—	—
\$50,000 to \$59,999	—	—	—	—
\$60,000 to \$79,999	7	2	5	—
\$80,000 to \$99,999	—	—	—	—
\$100,000 or more	—	—	—	—
Median	\$35 500	\$35 600	\$35 800	\$35 000

Worcester city

Vacant for rent housing units

ROOMS

	Total	Less than 2 months	2 up to 6 months	6 or more months
1 room	71	37	16	18
2 rooms	117	85	26	6
3 rooms	223	126	52	45
4 rooms	284	138	65	81
5 rooms	389	179	98	112
6 rooms	277	86	102	89
7 or more rooms	28	8	16	4
Median	4.5	4.1	4.8	4.7

PLUMBING FACILITIES

	Total	Less than 2 months	2 up to 6 months	6 or more months
Complete plumbing for exclusive use	1 311	615	366	330
Locking complete plumbing for exclusive use	78	44	9	25

BEDROOMS

	Total	Less than 2 months	2 up to 6 months	6 or more months
None	71	37	16	18
1	449	277	94	78
2	543	233	157	153
3	296	105	108	83
4	13	—	—	13
5 or more	17	7	—	10

YEAR STRUCTURE BUILT

	Total	Less than 2 months	2 up to 6 months	6 or more months
1975 to March 1980	72	42	23	7
1970 to 1974	71	58	13	—
1960 to 1969	47	36	11	—
1950 to 1959	92	61	10	21
1940 to 1949	100	56	28	16
1939 or earlier	1 007	406	290	311

UNITS IN STRUCTURE

	Total	Less than 2 months	2 up to 6 months	6 or more months
1, detached or attached	39	25	4	10
2	127	52	33	42
3 and 4	612	234	162	216
5 to 9	257	148	74	35
10 to 49	239	126	69	44
50 or more	115	74	33	8
Mobile home or trailer	—	—	—	—

RENT ASKED

	Total	Less than 2 months	2 up to 6 months	6 or more months
Specified vacant for rent housing units	1 389	659	375	355
Less than \$100	153	95	29	29
\$100 to \$149	445	174	103	168
\$150 to \$199	421	204	134	83
\$200 to \$249	219	100	78	41
\$250 to \$299	85	55	12	18
\$300 to \$399	57	22	19	16
\$400 or more	9	9	—	—
Median	\$157	\$161	\$166	\$139

Table B—13. Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8]

Worcester city

Price asked—Specified vacant for sale only housing units

Rent asked—Specified vacant for rent housing units

	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or more	Median (dollars)	Total	Less than \$100	\$100 to \$199	\$200 to \$299	\$300 to \$399	\$400 or more	Median (dollars)
Total	41	—	12	22	7	—	35 500	1 389	153	866	304	57	9	157
PLUMBING FACILITIES	37	—	12	18	7	—	34 600	1 311	131	817	297	57	9	160
BEDROOMS	4	—	—	4	—	—	37 500	78	22	49	—	—	—	107
None	—	—	—	—	—	—	—	71	24	47	—	—	—	105
1	5	—	—	3	2	—	34 200	449	39	239	132	33	6	177
2	12	—	—	12	—	—	36 300	543	39	371	112	18	3	158
3	8	—	8	—	—	—	21 300	296	51	179	60	6	—	147
4	8	—	—	3	5	—	76 000	13	—	13	—	—	—	157
5 or more	8	—	4	4	—	—	32 500	17	—	17	—	—	—	148
YEAR STRUCTURE BUILT	5	—	—	—	5	—	77 500	72	3	32	26	5	6	201
1970 to 1974	—	—	—	—	—	—	—	71	17	12	29	13	—	233
1960 to 1969	4	—	—	4	—	—	32 500	47	15	25	7	—	—	154
1950 to 1959	—	—	—	—	—	—	—	92	22	42	12	16	—	164
1940 to 1949	2	—	—	—	2	—	62 500	100	12	53	21	14	—	162
1939 or earlier	30	—	12	18	—	—	35 000	1 007	84	702	209	9	3	154
UNITS IN STRUCTURE	41	—	12	22	7	—	35 500	39	7	32	—	—	—	145
1, detached or attached	—	—	—	—	—	—	—	1 350	146	834	304	57	9	158
2 or more	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile home or trailer	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Appendix A.—Area Classifications

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REGIONS

Regions are large groups of States that form the first-order subdivisions of the United States for census purposes. The four regions are the Northeast, North Central, South, and West.

STATES

The 50 States and the District of Columbia are the constituent units of the United States.

PLACES

Two types of places are recognized in the census reports—incorporated places and census designated places—as defined below. Places with a 1980 population below 50,000 are not shown in this report unless they are central cities of standard metropolitan statistical areas.

Incorporated Places

Incorporated places recognized in the reports of the census are those which are incorporated under the laws of their respective States as cities, boroughs, towns, and villages, with the following exceptions: boroughs in Alaska and New York, and towns in the six

New England States, New York, and Wisconsin.

Census Designated Places

As in the 1950, 1960, and 1970 censuses, the Census Bureau has delineated boundaries for closely settled population centers without corporate limits. In 1980, the name of each such place is followed by "(CDP)," meaning "census designated place." In the 1970 and earlier censuses, these places were identified by "(U)," meaning "unincorporated place."

Census designated place boundaries change with changes in the settlement pattern; a place which has the same name as in previous censuses does not necessarily have the same boundaries. Boundary outlines for CDP's appear on the county subdivision maps in the HC80-1-A, *General Housing Characteristics*, reports for States. Detailed maps are available for purchase from the Census Bureau.

Eleven states, (Connecticut, Maine, Massachusetts, Michigan, New Hampshire, New York, New Jersey, Pennsylvania, Rhode Island, Vermont, and Wisconsin), contain towns or townships which are coextensive with census designated places (CDP's). Data for these areas are not shown in the tables.

STANDARD METROPOLITAN STATISTICAL AREAS

Definition

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. The standard metropolitan statistical area (SMSA) classification is a statistical standard, developed for use by Federal agencies in the production, analysis, and publication of data on metropolitan areas. The SMSA's are designated and defined

by the Office of Management and Budget, following a set of official published standards developed by the interagency Federal Committee on Standard Metropolitan Statistical Areas.

Each SMSA has one or more central counties containing the area's main population concentration: an urbanized area with at least 50,000 inhabitants. An SMSA may also include outlying counties which have close economic and social relationships with the central counties. The outlying counties must have a specified level of commuting to the central counties and must also meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. In New England, SMSA's are composed of cities and towns rather than whole counties.

The housing units in SMSA's may also be referred to as the metropolitan housing and are subdivided into "inside central city (or cities)" and "outside central city (or cities)." The housing units outside SMSA's constitute the non-metropolitan housing.

In the United States Summary report and the State reports, the data shown for "Central Cities of SMSA's" are the sum of all central cities excluding any rural area and any legal area that is outside of a standard metropolitan statistical area. In the individual SMSA reports, the data shown for central cities and places of 50,000 or more inhabitants are for the legal definition of the city without regard to urban or SMSA restrictions.

SMSA Titles

Each SMSA except one (Nassau-Suffolk, N.Y.) has at least one central city. The titles of SMSA's include up to three city names, as well as the name of each State into which the SMSA extends. For the 1980 census, central cities of SMSA's are those named in the titles of the SMSA's,

with the exception of Nassau-Suffolk, N.Y., which has no central city, and Northeast Pennsylvania, the central cities of which are Scranton, Wilkes-Barre, and Hazleton. Data on central cities of SMSA's include the entire population and housing within the legal city boundaries. In Hawaii where there are no incorporated places recognized by the Bureau of the Census, census designated places are recognized as central cities.

New SMSA Standards

New standards for designating and defining metropolitan statistical areas were published in the *Federal Register* on January 3, 1980. The SMSA's recognized for the 1980 census comprise (1) all areas as defined on January 1, 1980, except for one area which was defined provisionally during the 1970's on the

basis of population estimates but whose qualification was not confirmed by 1980 census counts; and (2) a group of 36 new areas defined on the basis of 1980 census counts and the new standards that were published on January 3, 1980.

When the data on commuting flows become available from 1980 census tabulations, the new standards will be applied to the areas existing on January 1, 1980, and the boundaries, definitions, and titles for all SMSA's will be reviewed.

To aid users who want to become familiar with the SMSA standards and how they are applied, documents are available from the Office of Management and Budget, Washington, D.C. 20503.

BOUNDARY CHANGES

The boundaries of some of the areas shown in this series of reports have

changed between an earlier census and January 1, 1980. Information on boundary changes for incorporated places is presented in table 4 of the 1980 Census of Population report, *Characteristics of the Population, Number of Inhabitants*, PC80-1-A. For information on boundary changes prior to 1970, see the *Number of Inhabitants* report for each census.

AREA MEASUREMENT

Area measurement figures for standard metropolitan statistical areas, central cities, and places of 50,000 inhabitants or more can be found in the 1980 Census of Population report, PC80-1-A1, United States Summary.

Appendix B.—Definitions and Explanations of Subject Characteristics

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		GENERAL		
		The 1980 census was conducted primarily through self-enumeration. The principal		

LIVING QUARTERS

Living quarters are classified in the census as either housing units or group quarters. Usually, living quarters are in structures intended for residential use (e.g., a one-family home, apartment house, hotel or motel, boarding house, mobile home or trailer). However, living quarters may also be in structures intended for non-residential use (e.g., the rooms in a warehouse where a night guard lives), as well as in boats, tents, vans, etc.

Housing Units—A housing unit is a house, an apartment, a group of rooms, or a single room occupied as a separate living quarters or, if vacant, intended for occupancy as a separate living quarters. Separate living quarters are those in which the occupants live and eat separately from

any other persons in the building and which have direct access from the outside of the building or through a common hall. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements (except as described in the next section on Group Quarters). For vacant units, the criteria of separateness and direct access are applied to the intended occupants whenever possible. If that information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are included in the housing unit inventory except that boats, tents, vans, caves, and the like are included only if they are occupied as someone's usual place of residence. Vacant mobile homes are included, provided they are intended for occupancy on the site where they stand. Vacant mobile homes on dealers' sales lots, at the factory, or in storage are excluded from the housing inventory.

Comparability With 1970 Census Housing Unit Data—Although the 1980 census data are generally comparable with 1970 census data, certain changes were introduced for 1980. The part of the 1970 housing unit definition that required a unit to have either (1) direct access or (2) complete kitchen facilities was modified. For 1980, the complete kitchen facilities alternative was dropped, and direct access was required of all housing units. In 1970, vacant mobile homes were not counted as housing units. For 1980, they were included in the housing inventory provided they were intended for occupancy on the site where they stood.

Group Quarters—Group quarters are any living quarters which are not classified as housing units. There are two types of group quarters: (1) institutional group quarters, and (2) noninstitutional group quarters. Institutional group quarters are living quarters occupied by one or more persons under care or custody, such as children in an orphanage, persons in a nursing home, and prisoners in a penitentiary. Noninstitutional group quarters include living quarters such as college-owned and/or operated dormitories, fraternity and sorority houses, nurses' dormitories, and boarding houses. In addition, noninstitutional group quarters include any living

quarters (other than those classified as institutional group quarters) which are occupied by 9 or more persons unrelated to the householder (person listed in column 1 of the census questionnaire), or by 10 or more unrelated persons. Information on the housing characteristics of group quarters was not collected in the census.

Comparability With 1970 Census Group Quarters Data

In 1970 a unit was classified as group quarters if it was shared by the person in charge and five or more persons unrelated to him or her, or if there was no person in charge, by six or more unrelated persons. For 1980 that requirement was raised to 9 or more persons unrelated to the person listed in column 1 of the census questionnaire or 10 or more unrelated persons.

Rules for Hotels, Rooming Houses, Etc.—Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; i.e., persons who consider the hotel as their usual place of residence or who have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from everyone else in the building and have direct access, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain eight or fewer roomers unrelated to the householder, they are classified as one housing unit. If the combined quarters contain nine or more roomers unrelated to the householder or person in charge, they are classified as group quarters.

Staff Living Quarters—The living quarters occupied by staff personnel within any group quarters are separate housing units if they satisfy the housing unit criteria of separateness and direct access; otherwise, they are considered as group quarters.

Year-Round Housing Units—Data on housing characteristics in the 1980 census reports are limited to year-round housing units; i.e., all occupied units plus vacant

units available or intended for year-round use. Vacant units intended for seasonal occupancy and vacant units held for migratory labor are excluded because of the difficulty of obtaining reliable data on their characteristics.

OCCUPANCY AND VACANCY CHARACTERISTICS

Occupied Housing Units—A housing unit is classified as occupied if it is the usual place of residence of the person or group of persons living in it at the time of enumeration, or if the occupants are only temporarily absent; e.g., away on vacation. If all the persons staying in the unit at the time of the census have their usual place of residence elsewhere, the unit is classified as vacant. A household includes all the persons who occupy a housing unit as their usual place of residence. By definition, therefore, the number of occupied housing units equals the number of households in the 1980 Census of Population reports.

In this report the numbers shown for occupied housing units are estimates based on a sample. In some cases there may be small differences between figures on occupied housing units shown here and comparable figures on households in the Census of Population reports. These differences may result from processing procedures used to inflate the population and housing sample data.

Householder—One person in each household is designated as the "householder." In most cases, this is the person, or one of the persons, in whose name the home is owned or rented and who is listed in column 1 of the census questionnaire. If there is no such person in the household, any adult household member could be designated as the "householder."

Child—A child is a son, daughter, stepchild, or adopted child of the householder regardless of the child's age or marital status. The category excludes sons-in-law and daughters-in-law. In this report, those classified as "own children" are sons and daughters, including stepchildren and adopted children, of the householder who are single (never married) and under 18 years of age.

Nonrelative—A nonrelative is any person in the household not related to the householder by birth, marriage, or adoption. Roomers, boarders, partners, roommates, paid employees, wards, and foster children are classified as nonrelatives. This report shows the number of households with one or more nonrelatives present in the unit.

Age of Householder—The age classification is based on the age of the person in completed years as of April 1, 1980. The data on age represent the difference, as calculated in the computer, between date of birth and April 1, 1980.

Household Type—Statistics by age of householder are presented separately for the following household types:

Married-couple families. For each household of this type, the householder and his or her spouse are enumerated as members of the same household. This category includes couples in formal marriages as well as in common-law marriages.

Male householder, no wife present. This type includes any household maintained by a male, regardless of his marital status, provided no wife is present in the household. Included are male householders who have no wife; male householders whose wives live elsewhere because of separation (marital discord) or other reason; and male householders who are widowed, divorced, or single.

Female householder, no husband present. This type includes any household maintained by a female, regardless of her marital status, provided no husband is present in the household. Included are female householders who have no husband and female householders whose husbands live elsewhere, as, for example, husbands in the Armed Forces living on a military base and female householders who are widowed, divorced, or single.

This report presents data on selected characteristics for one-person households, separately for male and female householders.

Year Householder Moved Into Unit—Data presented for this item are based on the in-

formation reported for the householder and refer to the year of the latest move. If the householder moved back into a unit he previously occupied, the year of the latest move was reported. If the householder moved from one apartment to another in the same building, the year the householder moved into the present apartment was reported. The intent is to establish the year the present occupancy by the householder began. The year in which a householder moved is not necessarily the same year as the year other members of the household moved, although in the majority of cases the entire household moved at the same time (see question H19 in appendix E).

Vacant Housing Units—A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. Units temporarily occupied at the time of enumeration entirely by persons who have a usual residence elsewhere are also classified as vacant.

New units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if they are open to the elements; i.e., the roof, walls, windows, and/or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is to be demolished or is condemned. Also excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for the storage of business supplies or inventory, machinery, or agricultural products.

Vacancy Status—The data on vacancy status were tabulated from responses to questionnaire item C (see item C in appendix E). The data presented in this report are for year-round housing units "Vacant for sale only" and "Vacant for rent."

For sale only. Vacant year-round units being offered "For sale only," including individual units in cooperatives and condominium projects if the individual units are offered "For sale only."

For rent. Vacant year-round units offered "For rent," and vacant units offered either for rent or for sale.

Duration of Vacancy—The statistics on duration of vacancy refer to the length of time (in months) from the date the last occupants moved from the unit to the date of enumeration (see item D in appendix E). The data, therefore, do not provide a direct measure of the total length of time units remain vacant. For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date conversion or merger was completed.

Tenure—A housing unit is "Owner occupied" if the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for. All other occupied units are classified as "Renter occupied," including units rented for cash rent and those occupied without payment of cash rent (see question H8 in appendix E).

Condominium Housing Units—A condominium involves ownership that enables a person to own an apartment or house in a development of similar units and to hold a common or joint ownership in common areas, hallways, entrances, elevators, etc. The owner has a deed to the individual unit, and, very likely, a mortgage on the unit. A condominium housing unit need not be occupied by the owner to be counted as such (see question H9 in appendix E).

Comparability With 1970 Census Condominium Housing Unit Data—In 1970, owner-occupied cooperatives and condominium housing units were identified together. The 1980 census identifies only condominium housing units. The 1980 question provides data on vacant and renter-occupied condominium housing units, not just owner-occupied condominium housing units as in 1970.

Race of the Householder—The data on race of the householder were derived from the answer to question 4, for the person listed in column 1 of the census questionnaire (see appendix E). The concept of race as used by the Census Bureau reflects self-identification by respondents; it does not denote any clear-cut scientific definition of biological stock. Since the 1980 census obtained information on race through self-identification, the data represent self-classification by people according

to the race with which they identify. In this report, data are presented for housing units classified by the race of the householder.

For persons who could not provide a single response to the race question, the race of the person's mother was used; if, however, a single response could not be provided for the person's mother, the first race reported by the person was used. This is a modification of the 1970 census procedure in which the race of the person's father was used.

The category "White" includes persons who indicated their race as White, as well as persons who did not classify themselves in one of the specific race categories listed on the questionnaire but entered a response such as Canadian, German, Italian, Lebanese, or Polish. In the 1980 census, persons who did not classify themselves in one of the specific race categories but marked "Other" and/or wrote in entries such as Cuban, Puerto Rican, Mexican, or Dominican were included in the "Other" race category. In the 1970 census, most of these persons were included in the "White" category.

The category "Black" includes persons who indicated their race as Black or Negro, as well as persons who did not classify themselves in one of the specific race categories listed in the questionnaire but reported entries such as Jamaican, Black Puerto Rican, West Indian, Haitian, or Nigerian.

The category "American Indian, Eskimo, or Aleut" includes persons who classified themselves as such in one of the specific race categories. In addition, persons who did not report themselves in one of the specific race categories but entered the name of an Indian tribe or wrote in such entries as Canadian Indian, French-American Indian, or Spanish-American Indian were classified as "American Indian."

The category "Asian or Pacific Islander" includes persons who indicated their race as Chinese, Filipino, Japanese, Asian Indian, Korean, Vietnamese, Hawaiian, Samoan, and Guamanian, as well as persons who provided write-in entries of Asian and Pacific Islander groups such as Cambodian, Laotian, Pakistani, or Fijian under the "Other" race category. Also, persons who did not classify themselves in one of the specific race categories but wrote in an entry indicating one of the nine specific categories listed above (e.g., Chinese or Filipino) were classified accordingly. For example, entries of Nipponese and

Japanese American were classified as Japanese, entries of Taiwanese and Cantonese as Chinese, etc. "Race, n.e.c." includes all other persons not in the categories "White," "Black," "American Indian, Eskimo, or Aleut," and "Asian or Pacific Islander." Persons reporting in the "Other" race category and providing write-in entries such as Eurasian, Cosmopolitan, Interracial, or a Spanish origin group (e.g., Mexican, Cuban, or Puerto Rican) were included in "Race, n.e.c."

If the race entry for the householder was missing on the questionnaire, an answer was assigned in the computer according to the reported entries of race of other household members using specific rules of precedence of household relationship. If race was not entered for anyone in the household (excluding paid employees), the race of a householder in a previously processed household was assigned. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

Comparability Between Sample and 100-Percent Data for Race of the Householder—Estimates of the number of householders by race shown in this report may differ from complete count figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and an additional edit and review performed on the sample questionnaires. Sampling variability and nonsampling error are explained in Appendix D, "Accuracy of the Data." The effect of the additional edit and review procedures varies substantially by racial group and geographic area but is generally negligible. A discussion of these procedures may be found in Series HC80-1-B, *Detailed Housing Characteristics*, and PC80-1-C, *Social and Economic Characteristics of the Population*.

Comparability With 1970 Census Data on Race of the Householder—Differences in census procedures and reporting by respondents in the 1980 census and 1970 census seriously affect the comparability for certain race groups. First, a large number of Spanish origin persons reported their race differently in the 1980 census than in the 1970 census. This difference in reporting has a substantial impact on the population totals and

comparability for the "White" population and the "Race, n.e.c." or "Other" race populations (shown as "All other races" in most 1970 publications). A much larger proportion of the Spanish origin population in 1980 than in 1970 reported their race in the questionnaire category "Other." Second, in 1970, most persons who marked the "Other" race category and wrote in a Spanish designation such as Mexican, Venezuelan, Latino, etc., were reclassified as "White." In 1980, such persons were not reclassified but remained in the "Other" race category. As a result of this procedural change and the differences in reporting by this population, the proportion of the Spanish origin population classified as "Other" race in the 1980 census was substantially higher than that in the 1970 census. Nationally in 1970, only 1 percent of the Spanish origin persons were classified as "Other" race and 93 percent as "White." The 1980 census sample data showed a much larger proportion—38 percent—of the Spanish origin persons reported their race as "Other" and only 58 percent reported "White." As a consequence of these differences, 1980 householder totals for "White" and "Race, n.e.c." are not comparable with corresponding 1970 figures.

The 1980 census was the first in which data were collected separately for Eskimos and Aleuts in all States. In 1970, these data were available only for Alaska. Since Eskimos and Aleuts are highly concentrated in Alaska, these changes do not seriously affect the comparability of 1980 and 1970 data for these racial groups at the national level.

The 1980 total for the Asian and Pacific Islander population reflects a high level of immigration during the 1970's as well as a number of changes in census procedures which were developed, in part, as a result of this high level of immigration. First, the number of Asian and Pacific Islander categories listed separately on the 1980 census questionnaire was expanded over that in 1970 to include four additional groups: Vietnamese, Asian Indian, Guamanian, and Samoan. Asian Indians were classified as "White" in 1970 but were included in the "Asian and Pacific Islander" category in 1980. The Vietnamese, Guamanian, and Samoan populations were included in the "Other" race

category in the 1970 census but were included in the "Asian and Pacific Islander" category in 1980. Second, "Other Asian and Pacific Islander" groups such as Cambodian, Laotian, Pakistani, and Fijian were identified and tabulated as Asian and Pacific Islander in sample tabulations in the 1980 census; in 1970, most of these groups were included in the "Other" race category.

In 1980, data were collected separately for Hawaiians and Koreans in all States, but in 1970 data for the two groups were not collected for Alaska. (On the 1970 census questionnaire used in Alaska, Eskimo and Aleut were substituted for these two categories.) Since the numbers of Hawaiians and Koreans were small in Alaska, this questionnaire change does not have a major impact on the comparability of the 1980 and 1970 data for Hawaiians and Koreans at the national level.

Spanish/Hispanic Origin of the Householder—The data on Spanish/Hispanic origin or descent of householder were derived from answers to question 7, for the person listed in column 1 of the census questionnaire (see appendix E).

Persons of Spanish/Hispanic origin or descent are those who reported either Mexican, Puerto Rican, Cuban, or other Spanish/Hispanic origin in question 7. Persons who reported "Other Spanish/Hispanic" origin are those whose origin is from Spain or the Spanish-speaking countries of Central or South America, or they are persons identifying their origin or descent as being Spanish, Spanish-American, Hispano, Latino, etc. Origin or descent can be regarded as the ancestry, nationality group, lineage, or country in which the person or person's parents or ancestors were born before their arrival in the United States. It is important to note that persons of Spanish origin may be of any race. In this report, data are presented for housing units classified by the Spanish origin of the householder.

Persons of more than one Spanish origin and persons of both a Spanish and another origin who were in doubt as to how to report a specific origin were classified according to the origin of the person's mother. If a single origin could not be provided for the person's mother, the first origin reported by the person was recorded.

If the householder failed to respond to the Spanish/Hispanic origin question, a response was assigned by computer in the

sample edit operation according to available related information such as ancestry and place of birth reported for the householder. If such information was not reported, origin was assigned from entries of other household members using specific rules of precedence of household relationship. If no origin was reported for any household member (excluding a paid employee), then an origin was assigned from another household with a householder of the same race. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

Limitations of the Data on Householders of Spanish/Hispanic Origin—A preliminary evaluation study of the reporting in the 1980 census item on Spanish origin indicated that there was misreporting in the Mexican origin category by White and Black persons in certain areas. The study results showed evidence that the misreporting occurred mainly in the South (excluding Texas), the Northeast (excluding the New York City area), and a few States in the North Central Region. Also, results based on available data suggest that the impact of potential misreporting of Mexican origin in the 1980 census is severe in those portions of the above-mentioned regions where the Spanish origin population is generally sparse. However, 1980 census data on the Mexican origin population or total Spanish origin population, at the national level, are not seriously affected by the reporting problem. For a more detailed discussion of the evaluation of the Spanish origin item, see the 1980 Population Census Supplementary reports, Series PC80-S1-7, "Persons of Spanish Origin by State: 1980."

Comparability Between Sample and 100-Percent Data on Householders of Spanish/Hispanic Origin—The data on householders of Spanish origin shown in this report may differ from comparable figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and more extensive edit procedures performed for the Spanish origin item on the sample questionnaires. The data in this report are based on a sample, whereas certain other reports (e.g., the HC80-1-A series) present data based on 100-percent tabulations. Sample data are subject to sampling variability, as explained in Appendix D, "Accuracy of the Data."

Information now available indicates that, since the effects of the more extensive edit were generally limited, the 100-percent tabulations are usually the preferable source for data on householders of Spanish origin. That is, in the case of figures available for Spanish origin groups, both in this report and for corresponding areas in the HC80-1-A report, the latter source is usually the preferred one. In the case of distributions for subjects covered only on a sample basis (e.g., units in structure, mortgage status and selected monthly owner costs, gross rent, etc.), the sample figures are the only data available and should be used within the context of the sampling variability associated with them.

Comparability With 1970 Census Data on Householders of Spanish Origin and Householders of Spanish Heritage—The 1980 census figures on householders of Spanish origin are not directly comparable with the 1970 census data on householders of Spanish origin because of a number of factors; namely, overall improvements in the 1980 census, better coverage of the population, improved question design, and an effective public relations campaign by the Census Bureau with the assistance of national and community ethnic groups. These efforts at census improvements explain, in part, the large increase in the number of Hispanics over 1970. Also, these efforts undoubtedly resulted in the inclusion of a sizable but unknown number of persons of Spanish/Hispanic origin who are in the country in other than legal status.

In the 1980 census Spanish origin question, specific changes in design from the 1970 question included the placement of the category "No (not Spanish/Hispanic)" as the first category in that question. (The corresponding category appeared last in the 1970 question.) Also, the 1970 category "Central or South American" was deleted from the 1980 question because in 1970 some respondents misinterpreted the category. Furthermore, the designations "Mexican-American" and "Chicano" were added to the Spanish origin question in 1980. In the 1970 census, the question on Spanish origin was asked of only a 5-percent sample of the population; in the 1980 census, the Spanish origin question was asked of everyone in the Nation.

The 1970 Census Metropolitan Housing Characteristics reports present data on housing units occupied by householders of Spanish heritage. In the 1970 census, the

category Spanish heritage was created to consolidate data for Spanish ancestry persons in various parts of the United States. The Spanish heritage population, therefore, was specifically termed when reference was made to particular areas. For example, in five southwestern States (Arizona, California, Colorado, New Mexico, and Texas) the population of Spanish heritage was specified as the population of Spanish language or surname; in three mid-Atlantic States (New York, New Jersey, and Pennsylvania), as the population of Puerto Rican birth or parentage; and in the remaining 42 States and the District of Columbia, as the population of Spanish language. The information for the population of Spanish heritage was obtained from the 15-percent sample of the census questionnaires. Data for this group of householders are not comparable to the 1980 census data on householders of Spanish origin which were based only on responses to the specific census question on Spanish/Hispanic origin for the person listed in column 1 of the census questionnaire.

UTILIZATION CHARACTERISTICS

Persons—All persons occupying the housing unit are included. These persons include not only occupants related to the householder but also any lodgers, roomers, boarders, partners, roommates, wards, foster children, and resident employees who share the living quarters of the householder. The data on "Persons in unit" show the number of housing units occupied by the specified number of persons. "Total persons" is the total number of persons living in the housing units in the particular category.

Rooms—The statistics on "Rooms" are in terms of the number of housing units with a specified number of rooms (see question H7 in appendix E). The intent of this question is to count the number of whole rooms used for living purposes. For each unit they include living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, enclosed porches suitable for year-round use, and lodger's rooms. Excluded are strip or pullman kitchens, bathrooms, open porches, balconies, halls, half-rooms, utility rooms, unfinished attics or basements, or other unfinished space used for storage. A partially divided room is a separate room only if there is a partition from floor to ceiling.

Persons Per Room—"Persons per room" is a derived measure obtained by dividing the

number of persons in each occupied housing unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of occupied housing units having the specified ratio of persons per room.

Bedrooms—The number of "Bedrooms" in the unit is the count of rooms used mainly for sleeping, even if also used for other purposes. Rooms reserved for sleeping, such as guest rooms, even though used infrequently, are counted as bedrooms. On the other hand, rooms used mainly for other purposes, even though used also for sleeping, such as a living room with a sofa bed, are not considered bedrooms. A housing unit consisting of only one room, such as a one-room efficiency apartment, is classified, by definition, as having no bedroom (see question H24 in appendix E).

STRUCTURAL CHARACTERISTICS

Year Structure Built—"Year structure built" refers to when the building was first constructed, not when it was remodeled, added to, or converted. For a houseboat or mobile home or trailer, the manufacturer's model year is assumed to be the year built. The figures shown in this report relate to the number of units in structures built during the specified periods and in existence at the time of enumeration (see question H18 in appendix E).

Units in Structure—A structure is a separate building that either has open space on all sides or is separated from other structures by dividing walls that extend from ground to roof. In the determination of the number of units in a structure, all housing units, both occupied and vacant, were counted. The statistics are presented for the number of housing units in structures of specified type and size, not for the number of residential buildings. The category "Mobile home or trailer, etc." includes mobile homes, trailers, boats, tents, vans, etc. (see question H13 in appendix E).

Stories in Structure—The count of stories (floors) in structure includes basements or attics if these contain finished rooms for living purposes (see question H14a in appendix E).

Passenger Elevator—Statistics on elevator in structure are presented for housing units in structures with four or more stories or floors. If the housing units in structures with four or

more stories have an elevator used only for freight, the units are not included in the category "With elevator" (see question H14b in appendix E).

PLUMBING CHARACTERISTICS

Plumbing Facilities—The category "Complete plumbing for exclusive use" consists of units which have hot and cold piped water, a flush toilet, and a bathtub or shower inside the housing unit for the exclusive use of the occupants of the unit. "Lacking complete plumbing for exclusive use" includes those conditions when (1) all three specified plumbing facilities are present inside the unit, but are also used by another household; (2) some but not all the facilities are present; or (3) none of the three specified plumbing facilities is present (see question H6 in appendix E).

Comparability With 1970 Census Plumbing Facilities Data—In 1970, there were separate questions on the presence of hot and cold piped water, a bathtub or shower, and a flush toilet. For 1980, these three items were combined into a single question on plumbing facilities. In addition, the facilities must be inside the housing unit rather than inside the structure as in 1970.

EQUIPMENT AND FUELS

Heating Equipment—Respondents were asked to report the type of heating equipment used as the primary source of heat for their housing unit. The categories shown in the report are: (1) steam or hot water system; (2) central warm-air furnace or electric heat pump; (3) other built-in electric units; (4) floor, wall, or pipeless furnace; and (5) other means. "Other means" includes room heaters with flue or vent that burn gas, oil, or kerosene; nonportable room heaters without flue or vent that burn gas, oil, or kerosene; and fireplaces, stoves, or portable room heaters of any kind that can be picked up and moved. A central heating system includes types (1) through (4) listed above. For vacant units which have had the heating equipment removed, the kind of equipment used by the previous occupants is considered to be the heating equipment for the unit (see question H20 in appendix E).

Comparability With 1970 Census Heating Equipment Data—In 1970, central

heat pumps were included as part of the category "Warm-air furnace" and individual room heat pumps were included in the category "Built-in electric units." In 1980, heat pumps have been combined and are included in this report in the category "Central warm-air furnace or electric heat pump."

Air Conditioning—"Air conditioning" is defined as the cooling of air by a refrigeration unit. It does not include evaporative coolers, fans, or blowers which are not connected to a refrigeration unit; however, it does include heat pumps. A central system is an installation which air conditions a number of rooms. In an apartment building, such a system may cool all apartments in the building, each apartment may have its own central system, or there may be several systems, each providing central air conditioning for a group of apartments. A system with individual room controls is a central system. A room unit is an individual air conditioner which is installed in a window or an outside wall and is generally intended to cool one room, although it may sometimes be used to cool more than one room (see question H27 in appendix E).

Vehicles Available—Data for this item refer to the number of households with vehicles available at home for the use of the members of the household. Included in this item are passenger cars, pickup trucks, small panel trucks of one-ton capacity or less, as well as station wagons, company cars, and taxicabs kept at home for use of household members. Cars rented or leased for 1 month or more; police and government cars kept at home; and company vans and trucks of 1-ton capacity or less are also included if kept at home and used for nonbusiness purposes. Dismantled cars, immobile cars used as a source of power for some piece of machinery, and cars, vans, and trucks kept at home but used only for business purposes are excluded. The statistics do not reflect the number of vehicles privately owned or the number of households owning vehicles (see questions H28 and H29 in appendix E).

Comparability With 1970 Census Automobiles Available Data—In 1970, only data on the number of households with automobiles which were owned or regularly used by members of the household were obtained. Taxicabs, pickups, or large trucks were not counted. In 1980, the data on automobiles available include taxicabs if kept at home for use of household members but exclude pickups or larger trucks. Separate

data were obtained in 1980 on the number of housing units with vans or trucks of 1-ton capacity or less kept at home for use of members of the household.

Fuels Used for House Heating and Water

Heating—"Utility gas" is gas piped through underground pipes from a central system that serves the neighborhood. "Bottled, tank, or LP gas" is stored in tanks which are refilled or exchanged when empty. "Fuel oil, kerosene, etc." includes fuel oil, kerosene, gasoline, alcohol, and other combustible liquids. For data on house heating fuel, the category "Other" includes any other fuel such as purchased steam, coal dust, briquettes made of pitch and sawdust, waste materials such as corn cobs, etc. For data on water heating fuel, the category "Other" also includes coal or coke, and wood (see question H21 in appendix E).

FINANCIAL CHARACTERISTICS

Value—Value is the respondent's estimate of how much the property (house and lot) would sell for, if it were for sale (see question H11 in appendix E).

Value is tabulated for certain kinds of housing units. Value statistics are presented for "Specified owner-occupied" housing units. These "specified" housing units include only one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. The "Specified owner-occupied" universes are the same for the value tabulation and the mortgage status and selected monthly owner costs tabulation.

Price Asked—For vacant for sale only housing units, the price asked is the amount asked for the property at the time of enumeration. The statistics on price asked are shown for "Specified vacant for sale only" housing units, which include vacant for sale only one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data also exclude condominium units and mobile homes.

Mortgage Status and Selected Monthly Owner Costs—The data are presented for "Specified owner-occupied" housing units. These "specified" housing units include only

one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. Separate distributions of owner costs are shown for units "With a mortgage" and for units "Not mortgaged." Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.) (see questions H30, H31, and H32 in appendix E).

Mortgage Status and Selected Monthly Owner Costs as a Percentage of Household Income in 1979

Selected monthly housing costs is expressed as a percentage of monthly household income (total household income in 1979 divided by 12). The percentage is presented for the same owner-occupied units for which selected monthly owner costs was tabulated; thus, the statistics reflect the exclusion of certain owner-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. Units occupied by households that reported no income or a net loss comprise the category "Not computed."

Rent—The statistics on rent are tabulated for "Specified renter-occupied" housing units and for "Specified vacant for rent" housing units which include renter units except one-family houses on 10 or more acres. Respondents were asked to report rent only for the housing unit enumerated and to exclude any rent paid for additional units or for business premises. Renter units occupied without payment of cash rent are shown separately as "No cash rent" in the rent tabulations.

Contract Rent. "Contract rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included (see question H12 in appendix E).

Gross Rent. The computed rent termed "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are

Appendix B.—Definitions and Explanations of Subject Characteristics

paid for by the renter (or paid for the renter by someone else) in addition to rent. Gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuels as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis but are converted to monthly figures in the computation process (see questions H12 and H22 in appendix E).

Rent Asked. For "Specified vacant for rent" housing units, the rent asked is the amount asked for the rental of the unit at the time of enumeration.

Gross Rent as a Percentage of Household Income in 1979—Monthly gross rent is expressed as a percentage of monthly household income (total household income in 1979 divided by 12). The percentage is presented for the same renter-occupied units for which gross rent was tabulated; thus, the statistics reflect the exclusion of certain renter-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. Units for which no cash rent is paid and units occupied by households that reported no income or a net loss comprise the category "Not computed."

Household Income in 1979—Household income is the sum of the money income of all persons 15 years old and over occupying the housing unit, including persons not related to the householder. Data on income are based on money income received in the calendar year 1979. Income is the algebraic sum of the amounts reported separately for wage and salary income; nonfarm net self-employment income; farm net self-employment income; interest, dividend, net rental or royalty income; Social Security or Railroad Retirement income; public assistance or welfare income; and all other income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, bond purchases, union dues, medicare deductions, etc.

Receipts from the following sources were not included as income: money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer's contributions for pensions, etc.; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts.

Although the income statistics cover the calendar year 1979, the composition of households refers to the time of enumeration (April 1, 1980). However, the composition of most households was the same during 1979 as in April 1980. There may be differences between the data on household income in 1979 in this report and similar data shown in the reports, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*, PHC80-3, and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics*, PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

Median Income—The median income values presented in this report are computed on the basis of more detailed income intervals than shown in the tables. Median income figures of \$30,000 or less are generally calculated using linear interpolation; all other median income amounts are derived through pareto interpolation.

Comparability With 1970 Census Income Data—In 1970, the statistics on income presented in Series HC80-2, *Metropolitan Housing Characteristics* reports related to the income of the family or primary individual occupying the housing unit; that is, the sum of the income of the head of the family and all other members of the family 14 years old and over or the income of the primary individual. Income of persons living in

the unit but not related to the head of household was not included. In 1980, the statistics on income relate to the income of the household; that is, the sum of the income of all persons 15 years old and over occupying a housing unit, including persons not related to the householder.

A discussion on comparability of income data from other sources including earlier censuses may be found in the 1980 Census of Population reports, *General Social and Economic Characteristics*, PC80-1-C.

Poverty Status in 1979—Households are classified below the poverty level when the total 1979 income of the family or of the non-family householder is below the appropriate poverty threshold. The income of persons living in the household who are unrelated to the householder is not considered when determining the poverty status of a household. The poverty thresholds vary depending upon three criteria: size of family, number of children, and age of the family householder or unrelated individual. The criteria used in the 1980 census differ slightly from those used in the 1970 census, which took into account the same three factors as well as sex of the family householder or unrelated individual and farm-nonfarm residence. In addition, for the 1980 census the thresholds by size of family were extended from seven or more persons to nine or more persons. The income cutoffs are updated each year to reflect the change in the Consumer Price Index. A more detailed explanation of the poverty definition may be found in the 1980 Census of Population reports, *General Social and Economic Characteristics*, PC80-1-C.

There may be slight differences between the data on poverty status in 1979 in this report and similar data shown in the reports, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*, PHC80-3, and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics*, PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

Appendix B.—Definitions and Explanations of Subject Characteristics

Thresholds at the Poverty Level in 1979 by Size of Family and Number of Related Children Under 18 Years

(Figures in dollars. For meaning of symbols, see Introduction)

Size of Family Unit	Weighted average thresholds	Related children under 18 years							
		None	1	2	3	4	5	6	7
1 person (unrelated individual).....	3,686	3,686	...	...	...	...	...	...	...
Under 65 years.....	3,774	3,774	...	...	...	...	...	...	...
65 years and over.....	3,479	3,479	...	...	...	...	...	...	...
2 persons.....	4,723	4,723	...	...	...	...	...	...	...
Householder under 65 years.....	4,876	4,858	5,000	...	...	...	...	...	...
Householder 65 years and over.....	4,389	4,385	4,981	...	...	...	...	...	...
3 persons.....	5,787	5,674	5,839	5,844	...	...	...	...	...
4 persons.....	7,412	7,482	7,605	7,356	7,382	...	...	...	...
5 persons.....	8,776	9,023	9,154	8,874	8,657	8,525	...	...	...
6 persons.....	9,915	10,378	10,419	10,205	9,999	9,693	9,512	...	...
7 persons.....	11,237	11,941	12,016	11,759	11,580	11,246	10,857	10,429	...
8 persons.....	12,484	13,356	13,473	13,231	13,018	12,717	12,334	11,936	11,835
9 or more persons.....	14,812	16,066	16,144	15,929	15,749	15,453	15,046	14,677	14,586
									14,024

Appendix C.—General Enumeration and Processing Procedures

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USUAL PLACE OF RESIDENCE

In accordance with census practice dating back to the first U.S. census in 1790, each person enumerated in the 1980 census was counted as an inhabitant of his or her "usual place of residence," which is generally construed to mean the place where the person lives and sleeps most of the time. This place is not necessarily the same as the person's legal residence or voting residence. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics, although there might be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishment of residence rules for certain categories of persons whose usual place of residence is not immediately apparent. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be staying on Census Day (April 1). Persons without a usual place of residence, however, were counted where they happened to be staying.

Armed Forces

Members of the Armed Forces living on a military installation were counted, as in every previous census, as residents of the area in which the installation was located; members of the Armed Forces not living on a military installation were counted as residents of the area in which

they were living. Family members of Armed Forces personnel were counted where they were living on Census Day (i.e., with the Armed Forces personnel or at another location, as the case might be).

Each Navy ship was attributed to the municipality that the Department of the Navy designated as its homeport, except for those ships which were deployed to the 6th or 7th Fleet on Census Day. As was done in the 1970 census, naval personnel aboard deployed ships were defined in the 1980 census as part of the overseas population, because deployment to the 6th or 7th Fleet implies a long-term overseas assignment.

In homeports with fewer than 1,000 naval personnel assigned to ships, the crews were counted aboard the ship. In homeports with 1,000 or more naval personnel assigned to ships, the naval personnel who indicated that they had a usual residence within 50 miles of the homeport of their ship were attributed to that residence.

When a homeport designated by the Navy was contained in more than one municipality, ships homeported and berthed there on Census Day were assigned by the Bureau of the Census to the municipality in which the land immediately adjacent to the dock or pier was actually located. Other ships attributed by the Navy to that homeport, but which were not physically present and not deployed to the 6th or 7th Fleet on Census Day, were allocated to the municipality named on the Navy's homeport list.

Crews of Merchant Vessels

Shipboard Census Reports were mailed to crews of merchant vessels through the ships' respective owner-operators based on lists of U.S. flag merchant vessels obtained from the Maritime Administration, U.S. Department of Commerce.

If the ship was berthed in a U.S. port on Census Day, the crew was enumerated as of that port. If the ship was

not berthed in a U.S. port but was inside the territorial waters of the United States, the crew was enumerated as of (a) the port of destination if that port was inside the United States or (b) the homeport of the ship if its port of destination was outside the United States. Crews of U.S. flag vessels which were outside U.S. territorial waters on Census Day and crews of vessels flying a foreign flag were not enumerated in the 1980 census.

Persons Away at School

College students were counted as residents of the area in which they were living while attending college, as they have been since 1950. However, children in boarding schools below the college level were counted at their parental home.

Persons in Institutions

Inmates of institutions, who ordinarily live there for considerable periods of time, were counted as residents of the area where the institution was located. Patients in short-term wards (general, maternity, etc.) of hospitals were counted at their usual place of residence; if they had no usual place of residence, they were counted at the hospital.

Persons Away From Their Residence on Census Day

Persons in hotels, motels, etc., on the night of March 31, 1980, were requested to fill out a census form for assignment of their census information back to their homes if they indicated that no one was at home to report them in the census. A similar approach was used for persons visiting in private residences, as well as for Americans who left the United States during March 1980 via major intercontinental air or ship carriers for temporary travel abroad. In addition, information on persons away from their usual place of residence was obtained from other members of their families, resident managers, neighbors, etc. If an entire household was expected to be

away during the whole period of the enumeration, information on that household was obtained from neighbors. A matching process was used to eliminate duplicate reports for persons who reported for themselves while away from their usual residence and who were also reported at this usual residence by someone else.

A special enumeration was conducted in such facilities as missions, flophouses, jails, detention centers, etc., on the night of April 6, 1980, and persons enumerated therein were counted as residents of the area in which the establishment was located.

Americans Abroad

Americans who were overseas for an extended period (in the Armed Forces, working at civilian jobs, studying in foreign universities, etc.) were not included in the population of any State or the District of Columbia. On the other hand, Americans who were temporarily abroad on vacations, business trips, and the like were counted at their usual residence in the United States.

Citizens of Foreign Countries

Citizens of foreign countries having their usual residence (legally or illegally) in the United States on Census Day, including those working here (but not living at an embassy, ministry, legation, chancellery, or consulate) and those attending school (but not living at an embassy, etc.), were included in the enumeration, as were members of their families living with them. However, citizens of foreign countries temporarily visiting or traveling in the United States or living on the premises of an embassy, etc., were not enumerated in the 1980 census.

DATA COLLECTION PROCEDURES

The 1980 census was conducted primarily through self-enumeration. A census questionnaire was delivered by postal carriers to every housing unit several days before Census Day, April 1, 1980. This questionnaire included explanatory information and was accompanied by an instruction guide. Spanish-language versions of the questionnaire and instruction guide were available on request. The questionnaire

was also available in narrative translation in 32 languages.

In most areas of the United States, altogether containing about 95 percent of the population, the householder was requested to fill out and mail back the questionnaire on Census Day. Approximately 83 percent of these households returned their forms by mail. Households that did not mail back a form and vacant housing units were visited by an enumerator. Households that returned a form with incomplete or inconsistent information that exceeded a specified tolerance were contacted by telephone or, if necessary, by a personal visit, to obtain the missing information.

In the remaining (mostly sparsely settled) area of the country, which contained about 5 percent of the population, the householder was requested to fill out the questionnaire and hold it until visited by an enumerator. Incomplete and unfilled forms were completed by interview during the enumerator's visit. Vacant units were enumerated by a personal visit and observation.

Each housing unit in the country received one of two versions of the census questionnaire: a short-form questionnaire containing a limited number of basic population and housing questions or a long-form questionnaire containing these basic questions as well as a number of additional questions. A sampling procedure was used to determine those units which were to receive the long-form questionnaire. Two sampling rates were employed. For most of the country, one in every six housing units (about 17 percent) received the long form or sample questionnaire; in counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 inhabitants, every other housing unit (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas.

Special questionnaires were used for the enumeration of persons in group quarters such as colleges and universities, hospitals, prisons, military installations, and ships. These forms contained the population questions but did not include any housing questions. In addition to the regular census questionnaires, the Supplementary Questionnaire for American Indians was used in conjunction with the short form on Federal and State reservations and in the historic areas of

Oklahoma (excluding urbanized areas) for households that had at least one American Indian, Eskimo, or Aleut household member.

PROCESSING PROCEDURES

The 1980 census questionnaires were processed in a manner similar to that for the 1970 and 1960 censuses. They were designed to be processed electronically by the Film Optical Sensing Device for Input to Computer (FOSDIC). For most items on the questionnaire, the information supplied by the respondent or obtained by the enumerator was indicated by marking the answers in predesignated positions that would be "read" by FOSDIC from a microfilm copy of the questionnaire and transferred onto computer tape with no intervening manual processing. The computer tape did not include information on individual names and addresses.

The data processing was performed in two stages. For 100-percent data, all short forms, and pages 2 and 3 of the long forms (which have the same questions as the short form), were microfilmed, "read" by FOSDIC, and transferred onto computer tape for tabulation. For the sample data, the long form (or sample) questionnaires were processed through manual coding operations since some questions required the respondent to provide write-in entries which could not be read by FOSDIC. Census Bureau coders assigned alphabetical or numerical codes to the write-in answers in FOSDIC readable code boxes on each questionnaire. After all coding was completed, the long forms were microfilmed, and the film was "read" by FOSDIC and transferred onto computer tape.

The tape containing the information from the questionnaires was processed on the Census Bureau's computers through a number of editing and tabulation steps. Among the products of this operation were computer tapes from which the tables in this report (and most others in the 1980 census publications) were prepared on phototype-setting equipment at the Government Printing Office.

A more detailed description of the data collection and processing procedures can be obtained from the 1980 Census of Population and Housing, *Users' Guide*, PHC80-R1.

Appendix D.—Accuracy of the Data

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INTRODUCTION

The data presented in this publication are based on the 1980 census sample. The data are estimates of the actual figures that would have resulted from a complete count. Estimates can be expected to vary from the complete count result because they are subject to two basic types of error—sampling and nonsampling. The sampling error in the data arises from the selection of persons and housing units to be included in the sample. The nonsampling error is the result of all other errors that may occur during the collection and processing phases of the census. A more detailed discussion of both sampling and nonsampling error and a description of the estimation procedure are given in this appendix.

SAMPLE DESIGN

While every person and housing unit in the 1980 census was enumerated on a

questionnaire that requested certain basic demographic information (e.g., age, number of rooms in living quarters, monthly rent), a sample of persons and housing units was enumerated on a questionnaire that requested additional information. The basic sampling unit for the 1980 census was the housing unit, including all occupants. For persons living in group quarters, the sampling unit was the person. Two sampling rates were employed. In counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 persons (based on precensus estimates), one-half of all housing units and persons in group quarters were to be included in the sample. In all other areas, one-sixth of the housing units or persons in group quarters were sampled. The purpose of this scheme was to provide relatively more reliable estimates for small areas. When both sampling rates were taken into account across the Nation, approximately 19 percent of the Nation's housing units were included in the census sample.

The sample designation method depended on the data collection procedures. In areas containing about 95 percent of the population the census was taken by the mailout/mailback procedure. For these areas, the Bureau of the Census either purchased a commercial mailing list which was updated and corrected by Census Bureau field staff, or prepared a mailing list by canvassing and listing each address in the area prior to Census Day. These lists were computerized, and every sixth unit (for 1-in-6 areas) or every second unit (for 1-in-2 areas) was designated as a sample unit by computer. Both of these lists were also corrected by the Post Office.

In non-mailout/mailback areas, a blank listing book with designated sample lines (every sixth or every second line) was prepared for the enumerator. Beginning about Census Day, the enumerator sys-

tematically canvassed the area and listed all housing units in the listing book in the order they were encountered. Completed questionnaires, including sample information for any housing unit which was listed on a designated sample line, were collected.

In both types of data collection procedure areas, an enumerator was responsible for a small geographic area known as an enumeration district, or ED. An ED usually represented the average workload area for one enumerator.

ERRORS IN THE DATA

Since the data in this publication are based on a sample, they may differ somewhat from complete-count figures that would have been obtained if all housing units, persons within those housing units, and persons living in group quarters had been enumerated using the same questionnaires, instructions, enumerators, etc. The deviation of a sample estimate from the average of all possible samples is called the sampling error. The standard error of a survey estimate is a measure of the variation among the estimates from the possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The sample estimate and its estimated standard error permit the construction of interval estimates with prescribed confidence that the interval includes the average result of all possible samples. The method of calculating standard errors and confidence intervals for the data in this report is given below.

In addition to the variability which arises from the sampling procedures, both sample data and complete-count data are subject to nonsampling error. Nonsampling error may be introduced during each of the many extensive and complex

operations used to collect and process census data. For example, operations such as editing, reviewing, or handling questionnaires may introduce error into the data. A more detailed discussion of the sources of nonsampling error is given in the section on "Control of Nonsampling Error" in this appendix.

Nonsampling error may affect the data in two ways. Errors that are introduced randomly will increase the variability of the data and should therefore be reflected in the standard error. Errors that tend to be consistent in one direction will make both sample and complete-count data biased in that direction. For example, if respondents consistently tend to under-report their income, then the resulting counts of households or families by income category will be skewed toward the lower income categories. Such biases are not reflected in the standard error.

Calculation of Standard Errors

Totals and Percentages—Tables A through D in this appendix contain the information necessary to calculate the standard errors of sample estimates in this report. In order to perform this calculation, it is necessary to know the unadjusted standard error for the characteristic, given in table A or B, that would result under a simple random sample design (of persons, families, or housing units) and estimation technique; the adjustment factor for the particular characteristic estimated, given in table C; and the number of housing units in the tabulation area and the percent of these in sample, given in table D. The adjustment factors reflect the effects of the actual sample design and complex ratio estimation procedure used for the 1980 census.

To calculate the approximate standard error of an estimate for a geographic area, follow the steps given below:

- a. Obtain the unadjusted standard error from table A or B (or from the formula given below the table) for the estimated total or percentage, respectively.
- b. Find the geographic area with which you are working in table D and obtain the housing unit "percent in sample" figure for this area.
- c. Use table C to obtain the factor for the characteristics (e.g., air-

conditioning, year structure built) and the range that contains the percent-in-sample with which you are working. Multiply the unadjusted standard error by this factor. If the estimate is a cross-tabulation of more than one characteristic, use the largest factor.

As is evident from the formula below tables A and B, the unadjusted standard errors of zero estimates or of very small estimated totals or percentages approach zero. This is also the case for very large percentages or estimated totals that are close to the size of the tabulation areas to which they correspond. These estimated totals and percentages are, nevertheless, still subject to sampling and nonsampling variability, and an estimated standard error of zero (or a very small standard error) is not appropriate.

For estimated percentages that are less than 2 or greater than 98, use the *unadjusted* standard errors in table B that appear in the "2 or 98" row. For an estimated total that is less than 50 or within 50 of the total size of the tabulation area, use an *unadjusted* standard error of 16.

An illustration of the use of the tables is given in a later section of this appendix.

Differences—The standard errors estimated from these tables are not directly applicable to differences between two sample estimates. In order to estimate the standard error of a difference the tables are to be used somewhat differently in the following three situations:

- a. For the difference between a sample estimate and a complete-count value, use the standard error of the sample estimate.
- b. For the difference between (or sum of) two sample estimates, the appropriate standard error is approximately the square root of the sum of the two individual standard errors squared; that is, for standard errors Se_x and Se_y of estimates x and y:

$$Se_{(x+y)} = Se_{(x-y)} \approx \sqrt{(Se_x)^2 + (Se_y)^2}$$

This method, however, will underestimate (overestimate) the standard error if the two items in a sum are highly positively (negatively)

correlated or if the two items in a difference are highly negatively (positively) correlated. This method may also be used for the difference between (or sum of) sample estimates from two censuses or between a census sample and another survey. The standard error for estimates not based on the 1980 census sample must be obtained from an appropriate source outside of this publication.

- c. For the difference between two estimates, one of which is a subclass of the other, use the tables directly where the calculated difference is the estimate of interest.

Means—The standard error of a mean depends upon the variability of the distribution on which the mean is based, the size of the sample, the sample design (e.g., the use of households as a sampling unit), and the estimation procedure used.

An approximation to the standard error of the mean may be obtained as follows: compute the variance of the distribution on which the mean is based; multiply this value by five and divide the product by the total count of units in the distribution; obtain the square root of this quotient and multiply the result by the adjustment factor from table C that is appropriate for the characteristic on which the mean is based.

Medians—For the standard error of a median of a characteristic, it is necessary to examine the distribution from which the median is derived, as the size of the base and the distribution itself affect the standard error. An approximate method is given here. As the first step, compute one-half of the number on which the median is based (refer to this result as $N/2$). Treat $N/2$ as if it were an ordinary estimate and obtain its standard error as instructed above using tables A, C, and D. Compute the desired confidence interval about $N/2$. Starting with the lowest value of the characteristic, cumulate the frequencies in each category of the characteristic until the sum equals or first exceeds the lower limit of the confidence interval about $N/2$. By linear interpolation, obtain a value of the characteristic corresponding to this sum. This is the lower limit of the confidence interval of the median. In a similar manner, cumulate frequencies starting from

the highest value of the characteristic until the sum equals or exceeds the count in excess of the upper limit of the interval about $N/2$. Interpolate as before to obtain the upper limit of the confidence interval for the estimated median.

Confidence Intervals

A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate. These intervals are ranges that will contain the average value of the estimated characteristic that results over all possible samples, with a known probability. For example, if all possible samples that could result under the 1980 census sample design were independently selected and surveyed under the same conditions, and if the estimate and its estimated standard error were calculated for each of these samples, then:

- (1) Approximately 68 percent of the intervals from one estimated standard error below the estimate to one estimated standard error above the estimate would contain the average result from all possible samples; and
- (2) Approximately 95 percent of the intervals from two estimated standard errors below the estimate to two estimated standard errors above the estimate would contain the average result from all possible samples.

The intervals are referred to as 68 percent and 95 percent confidence intervals, respectively.

The average value of the estimated characteristic that could be derived from all possible samples is or is not contained in any particular computed interval. Thus we cannot make the statement that the average value has a certain probability of falling between the limits of the calculated confidence interval. Rather, one can say with a specified probability or confidence that the calculated confidence interval includes the average estimate from all possible samples (approximately the complete count value).

Confidence intervals may also be constructed for the difference between two sample figures. This is done by computing the difference between these

figures, obtaining the standard error of the difference (using the formula given earlier), and then forming a confidence interval for this estimated difference as above. One can then say with specified confidence that this interval includes the difference that would have been obtained by averaging the results from all possible samples.

The estimated standard errors given in this report do not include all portions of the variability due to nonsampling error that may be present in the data. Thus, the standard errors calculated represent a lower bound of the total error. As a result, confidence intervals formed using these estimated standard errors may not meet the stated levels of confidence (i.e., 68 or 95 percent). Thus, some care must be exercised in the interpretation of the data in this publication based on the estimated standard errors.

For more information on confidence intervals and nonsampling error see any standard sampling theory text.

Use of Tables to Compute Standard Errors

See appendix D of any 1980 Census of Housing, HC-80-1-B, *Detailed Housing Characteristics* report, for examples showing the computation of standard errors and the formation of confidence intervals.

ESTIMATION PROCEDURE

The estimates which appear in this publication were obtained from an iterative ratio estimation procedure which resulted in the assignment of a weight to each sample person or housing unit record. For any given tabulation area, a characteristic total was estimated by summing the weights assigned to the persons or housing units in the tabulation area which possessed the characteristic. Estimates of family or household characteristics were based on the weights assigned to the family members designated as householders. Each sample person or housing unit record was assigned exactly one weight to be used to produce estimates of all characteristics. For example, if the weight given to a sample person or housing unit had the value five, all characteristics of that person or housing unit would be tabulated with a weight of

five. The estimation procedure, however, did assign weights which vary from person to person or housing unit to housing unit.

The estimation procedure used to assign the weights was performed in geographically defined "weighting areas." Weighting areas were generally formed of adjoining portions of geography, which closely agreed with census tabulation areas within counties. Weighting areas were required to have a minimum sample of 400 persons. Weighting areas were never allowed to cross state or county boundaries. In small counties with a sample count of less than 400 persons, the minimum required sample condition was relaxed to permit the entire county to become a weighting area.

Within a weighting area, the ratio estimation procedure for persons was performed in three stages. For persons, the first stage employed 17 household type groups. The second stage used two groups: householders and nonhouseholders. The third stage could potentially use 160 age-sex-race-Spanish origin groups. The stages were as follows:

PERSONS

Stage I—Type of Household

Group	Persons in Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
Persons in Housing Units With a Family Without Own Children Under 18	
6-10	2 persons in housing unit through 8 or more persons in housing unit
Persons in All Other Housing Units	
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit
17	Persons in group quarters

Appendix D.—Accuracy of the Data

Stage II—Householder/ Nonhouseholder	
Group	
1	Householder
2	Nonhouseholder (including persons in group quarters)
Stage III—Age/Sex/Race/Spanish Origin	
<i>Group White Race</i>	
<i>Persons of Spanish Origin</i>	
<i>Male</i>	
1	0 to 4 years of age
2	5 to 14 years of age
3	15 to 19 years of age
4	20 to 24 years of age
5	25 to 34 years of age
6	35 to 44 years of age
7	45 to 64 years of age
8	65 years of age or older
<i>Female</i>	
9-16	Same age categories as groups 1 to 8
<i>Persons Not of Spanish Origin</i>	
17-32	Same age and sex categories as groups 1 to 16
<i>Black Race</i>	
33-64	Same age-sex-Spanish origin categories as groups 1 to 32
<i>Asian, Pacific Islander Race</i>	
65-96	Same age-sex-Spanish origin categories as groups 1 to 32
<i>American Indian, Eskimo, or Aleut Race</i>	
97-128	Same age-sex-Spanish origin categories as groups 1 to 32
<i>Other Race (includes those races not listed above)</i>	
129-160	Same age-sex-Spanish origin categories as groups 1 to 32

Within a weighting area, the first step in the estimation procedure was to assign each sample person record an initial weight. This weight was approximately equal to the inverse of the probability of selecting a person for the census sample.

The next step in the estimation procedure was to combine, if necessary, the groups in each of the three stages prior to the repeated ratio estimation in order to increase the reliability of the ratio estima-

tion procedure. For the first and second stages, any group that did not meet certain criteria concerning the unweighted sample count or the ratio of the complete count to the initially weighted sample count, was combined, or collapsed, with another group in the same stage according to a specified collapsing pattern. At the third stage, the "Other" race category was collapsed with the "White" race category before the above collapsing criteria as well as an additional criterion concerning the number of complete count persons in each category were applied.

As the final step, the initial weights underwent three stages of ratio adjustment which used the groups listed above. At the first stage, the ratio of the complete census count to the sum of the initial weights for each sample person was computed for each stage I group. The initial weight assigned to each person in a group was then multiplied by the stage I group ratio to produce an adjusted weight. In stage II, the stage I adjusted weights were again adjusted by the ratio of the complete census count to the sum of the stage I weights for sample persons in each stage II group. Finally, the stage II weights were adjusted at stage III by the ratio of the complete census count to the sum of the stage II weights for sample persons in each stage III group. The three stages of adjustment were performed twice (two iterations) in the order given above. The weights obtained from the second iteration for stage III were assigned to the sample person records. However, to avoid complications in rounding for tabulated data, only whole number weights were assigned. For example, if the final weight for the persons in a particular group was 7.2, then one-fifth of the sample persons in this group were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

Separate weights were derived for tabulating the place of work and migration data items. The weights were obtained by adjusting the weight derived above for persons on questionnaires selected for coding by the reciprocal of the ED coding rate and a ratio adjustment to ensure that the sum of the weights and the complete count total population figure would agree.

The ratio estimation procedure for

housing units was essentially the same as that for persons. The major difference was that the occupied housing unit ratio estimation procedure was done in two stages and the vacant housing unit ratio estimation procedure was done in one stage. The first stage for occupied housing units employed 16 household-type categories and the second stage could potentially use 190 tenure-race-Spanish origin-value/rent groups. For vacant housing units, three groups were utilized. The stages for the ratio estimation for housing units were as follows:

OCCUPIED HOUSING UNITS

Stage I—Type of Household

Group	Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit

6-10	Housing Units With a Family Without Own Children Under 18
6-10	2 persons in housing unit through 8 or more persons in housing unit

11	All Other Housing Units
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit

Stage II—Tenure/Race and Origin of Householder/Value or Rent

Group	Owner
	White Race (householder)
	Persons of Spanish Origin (householder)
	Value of House
1	\$0 to \$9,999
2	\$10,000 to \$19,999
3	\$20,000 to \$24,999
4	\$25,000 to \$49,999
5	\$50,000 to \$99,999
6	\$100,000 to \$149,999
7	\$150,000+
8	Other Owners

Persons Not of Spanish Origin

9-16	Same value categories as groups 1 to 8	Other Race (includes those races not listed above)
17-32	<i>Black Race</i> Same value—Spanish origin categories as groups 1 to 16	169-190 Same rent—Spanish origin categories as groups 81 to 102
33-48	<i>Asian, Pacific Islander Race</i> Same value—Spanish origin categories as groups 1 to 16	VACANT HOUSING UNITS
49-64	<i>American Indian, Eskimo, or Aleut Race</i> Same value—Spanish origin categories as groups 1 to 16	<i>Group</i>
65-80	<i>Other Race (includes those races not listed above)</i> Same value—Spanish origin categories as groups 1 to 16	1 Vacant for Rent 2 Vacant for Sale 3 Other Vacant
	<i>Renter</i>	The estimates produced by this procedure realize some of the gains in sampling efficiency that would have resulted if the population had been stratified into the ratio estimation groups before sampling, and the sampling rate had been applied independently to each group. The net effect is a reduction in both the standard error and the possible bias of most estimated characteristics to levels below what would have resulted from simply using the initial (unadjusted) weight. A by-product of this estimation procedure is that the estimates from the sample will, for the most part, be consistent with the complete-count figures for the population and housing unit groups used in the estimation procedure.
81	<i>White Race</i>	
82	<i>Persons of Spanish Origin</i>	
83	<i>Rent Categories</i>	
84	\$1 to \$59	
85	\$60 to \$99	
86	\$100 to \$149	
87	\$150 to \$199	
88	\$200 to \$249	
89	\$250 to \$299	
90	\$300 to \$399	
91	\$400 to \$499	
	\$500+	
	Other Renter	
	No Cash Rent	
	<i>Persons not of Spanish origin</i>	
92-102	Same rent categories as groups 81 to 91	
103-124	<i>Black Race</i> Same rent—Spanish origin categories as groups 81 to 102	
125-146	<i>Asian, Pacific Islander Race</i> Same rent—Spanish origin categories as groups 81 to 102	
147-168	<i>American Indian, Eskimo, or Aleut Race</i> Same rent—Spanish origin categories as groups 81 to 102	

Undercoverage—It is possible for some persons or housing units to be entirely missed by the census. This undercoverage of persons and housing units can introduce biases into the data. Several extensive programs were developed to focus on this important problem.

- The Postal Service reviewed mailing lists and reported housing unit addresses which were missing, undeliverable, or duplicated in the listings.
- The purchased commercial mailing list was updated and corrected by a complete field review of the list of housing units during a precanvass operation.
- A record check was performed to reduce the undercoverage of individual persons in selected areas. Independent lists of persons, such as driver's license holders, were matched with the household rosters in the census listings. Persons not matched to the census rosters were followed up and added to the census counts if they were found to have been missed.
- A recheck of units initially classified as vacant or nonexistent was utilized to further reduce the undercoverage of persons.

More extensive discussions of programs developed to reduce undercoverage will be published as the analyses of those programs are completed.

Respondent and Enumerator Error—The person answering the questionnaire or responding to the questions posed by an enumerator could serve as a source of error by offering incorrect or incomplete information. To reduce this source of error, questions were phrased as clearly as possible based on precensus tests and detailed instructions for completing the questionnaire were provided to each household. In addition, respondents' answers were edited for completeness and consistency and followed up as necessary. For example, if the source of water item was incomplete for a housing unit, long-form field edit procedures would recognize the situation, and a followup attempt to obtain the information would be made.

The enumerator may misinterpret or otherwise incorrectly record information given by a respondent; may fail to collect some of the information for a person or household; or may collect sample data for

households that were not designated as part of the sample. To control these problems, the work of enumerators was carefully monitored. Field staff were prepared for their tasks by using standardized training packages which included experience in using census materials. A sample of the households interviewed by enumerators for nonresponse was reinterviewed to control for the possibility of data for fabricated persons being submitted by enumerators. Also, the estimation procedure was designed to control for biases that would result from the collection of data from households not designated for the sample.

Processing Error—The many phases of processing the census represent potential sources for the introduction of nonsampling error. The processing of the census questionnaires includes the field editing, followup, and transmittal of completed questionnaires; the manual coding of write-in responses; and the electronic data processing. The various field, coding and computer operations undergo a number of quality control checks to insure their accurate application.

Nonresponse—Nonresponse to particular questions on the census questionnaire allows for the introduction of bias into the data, since the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. As a result, any allocation procedure using respondent data may not completely reflect this difference either at the element level (individual person or housing unit) or on the average. Some protection against the introduction of large biases is afforded by minimizing

nonresponse. In the census, nonresponse was substantially reduced during the field operations by the various edit and follow-up operations aimed at obtaining a response for every question. Characteristics for the nonresponses remaining after this operation were allocated by the computer using reported data for a person or housing unit with similar characteristics. The allocation procedure is described below.

EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of statistics that describes the nation's housing as accurately and clearly as possible. To meet this objective, certain unacceptable entries were edited.

In the field, questionnaires were reviewed for omissions and certain inconsistencies by a census clerk or an enumerator and, if necessary, a followup was made to obtain missing information. In addition, a similar review of questionnaires was done in the central processing offices. As a rule, however, editing was performed by hand only when it could not be done effectively by machine.

As one of the first steps in computerized editing, the configuration of marks on the questionnaire was scanned electronically to determine whether it contained information for a person or housing unit or merely spurious marks. If any characteristic for a housing unit was still missing when the questionnaires reached the central processing offices, it was supplied by allocation. Allocation, or assignments of acceptable codes in place of unacceptable entries, were

needed most often when an entry for a given item was lacking or when the information reported for a particular item was inconsistent with another item for the same housing unit. As in previous censuses, allocations or the assignment of acceptable entries were used to replace blanks or unacceptable entries. The allocation procedure was based on using information reported for another housing unit with characteristics similar to those of the housing unit for which allocation was necessary. For example, if the unit was reported as rented but the amount of rent was missing, the computer automatically assigned the rent that was reported for the preceding renter-occupied unit. The assignment of acceptable codes in place of blanks or unacceptable entries is designed to enhance the usefulness of the data.

Specific tolerances were established for the number of computer allocations that would be permitted. If the number of corrections was beyond tolerance, the questionnaires in which the errors occurred were clerically reviewed. If it was found that the errors resulted from damaged questionnaires, from improper microfilming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

ALLOCATION TABLES

The extent of allocations for nonresponses and inconsistencies for individual subject items is given for SMSA's and places in the 1980 Census of Population PC80-1-B and PC80-1-C reports and in the 1980 Census of Housing HC80-1-A and HC80-1-B reports.

Appendix D.—Accuracy of the Data

Table A. Unadjusted Standard Errors for Estimated Totals

[Based on a 1-in-6 simple random sample]

Estimated Total 1/	Size of publication area 2/															
	500	1 000	2 500	5 000	10 000	25 000	50 000	100 000	250 000	500 000	1 000 000	5 000 000	10 000 000	25 000 000		
50.....	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
100.....	20	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22
250.....	25	30	35	35	35	35	35	35	35	35	35	35	35	35	35	35
500.....	-	35	45	45	50	50	50	50	50	50	50	50	50	50	50	50
1 000.....	-	-	55	65	65	70	70	70	70	70	70	70	70	70	70	70
2 500.....	-	-	-	80	95	110	110	110	110	110	110	110	110	110	110	110
5 000.....	-	-	-	-	110	140	150	150	160	160	160	160	160	160	160	160
10 000.....	-	-	-	-	-	170	200	210	220	220	220	220	220	220	220	220
15 000.....	-	-	-	-	-	170	230	250	270	270	270	270	270	270	270	270
25 000.....	-	-	-	-	-	250	310	340	350	350	350	350	350	350	350	350
75 000.....	-	-	-	-	-	-	310	510	570	590	610	610	610	610	610	610
100 000.....	-	-	-	-	-	-	-	550	630	670	700	700	700	700	700	700
250 000.....	-	-	-	-	-	-	-	-	790	970	1 090	1 100	1 100	1 100	1 100	1 100
500 000.....	-	-	-	-	-	-	-	-	-	1 120	1 500	1 540	1 570	1 570	1 570	1 570
1 000 000....	-	-	-	-	-	-	-	-	-	-	2 000	2 120	2 190	2 190	2 190	2 190
5 000 000....	-	-	-	-	-	-	-	-	-	-	-	3 540	4 470	4 470	4 470	4 470
10 000 000....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 480

1/ For estimated totals larger than 10 000 000, the standard error is somewhat larger than the table values. The formula given below should be used to calculate the standard error.

$$Se(\hat{Y}) = \sqrt{\frac{5}{B} \hat{Y} (1 - \frac{\hat{Y}}{N})}$$

N = Size of area

\hat{Y} = Estimate of characteristic total

2/ The total count of housing units in the area.

Table B. Unadjusted Standard Error in Percentage Points for Estimated Percentages

[Based on a 1-in-6 simple random sample]

Estimated Percentage	Base of percentage 1/														
	500	750	1 000	1 500	2 500	5 000	7 500	10 000	25 000	50 000	100 000	250 000	500 000		
2 or 98.....	1.4	1.1	1.0	0.8	0.6	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1		
5 or 95.....	2.2	1.8	1.5	1.3	1.0	0.7	0.6	0.5	0.3	0.2	0.2	0.1	0.1		
10 or 90.....	3.0	2.4	2.1	1.7	1.3	0.9	0.8	0.7	0.4	0.3	0.2	0.1	0.1		
15 or 85.....	3.6	2.9	2.5	2.1	1.6	1.1	0.9	0.8	0.5	0.4	0.3	0.2	0.1		
20 or 80.....	4.0	3.3	2.8	2.3	1.8	1.3	1.0	0.9	0.6	0.4	0.3	0.2	0.1		
25 or 75.....	4.3	3.5	3.1	2.5	1.9	1.4	1.1	1.0	0.6	0.4	0.3	0.2	0.1		
30 or 70.....	4.6	3.7	3.2	2.6	2.0	1.4	1.2	1.0	0.6	0.5	0.3	0.2	0.1		
35 or 65.....	4.8	3.9	3.4	2.8	2.1	1.5	1.2	1.1	0.7	0.5	0.3	0.2	0.1		
50.....	5.0	4.1	3.5	2.9	2.2	1.6	1.3	1.1	0.7	0.5	0.4	0.2	0.1		

1/ For a percentage and/or base of percentage not shown in the table, the formula given below may be used to calculate the standard error.

$$Se(\hat{p}) = \sqrt{\frac{5}{B} \hat{p} (1 - \hat{p})}$$

B = Base of estimated percentage

\hat{p} = Estimated percentage

Table C. Standard Error Adjustment Factors

(Percent of persons or housing units in sample)

Characteristic	Less than 19 Percent	19 to 33 Percent	More than 33 Percent
Household type.....	1.1	0.9	0.5
Age and sex of householder.....	1.0	1.0	0.5
Occupancy status.....	1.1	0.7	0.5
Vacant price asked and vacant rent asked..	1.1	0.7	0.5
Tenure.....	1.1	0.9	0.5
Units in structure.....	1.1	0.9	0.5
Stories in structure.....	1.0	1.0	0.5
Passenger elevator.....	0.9	0.9	0.5
Persons in unit.....	1.1	0.9	0.5
Year structure built.....	1.1	0.8	0.5
Year householder moved into housing unit.....	1.1	0.9	0.5
Heating equipment and fuel.....	1.1	0.9	0.5
Number of bedrooms.....	1.1	0.9	0.5
Rooms.....	1.1	0.9	0.5
Telephone in housing unit.....	1.1	0.9	0.5
Air conditioning.....	1.1	0.9	0.5
Vehicles available.....	1.1	0.9	0.5
Gross rent and contract rent.....	1.1	0.9	0.5
Gross rent as a percentage of household income in 1979.....	1.1	0.9	0.5
Mortgage status and selected monthly owner costs.....	1.1	0.9	0.5
Household income.....	1.1	0.9	0.5
Poverty status: Housing.....	1.1	0.8	0.5
Existence of complete plumbing for exclusive use with 1.01 persons per room or more.....	1.1	0.8	0.5
Value.....	1.0	1.0	0.5

Table D. Percent of Housing Units in Sample: 1980

[For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

**The SMSA
Places of 50,000 or More and
Central Cities of SMSA's****PLACES OF 50,000 OR MORE AND CENTRAL
CITIES OF SMSA's**

Worcester city -----

Housing units		
	100-percent count	Percent in sample
The SMSA -----	137 697	16.8
PLACES OF 50,000 OR MORE AND CENTRAL CITIES OF SMSA's	61 645	16.2

Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

INSTRUCTIONS FOR QUESTIONS 1 THROUGH 10

1. List in question 1 (on page 1), the names of all the people who usually live here. Then turn to pages 2 and 3 where there are columns to list up to seven persons. In the first column print the name of one of the household members in whose name this home is owned or rented. If no household member owns or rents the living quarters, list in the first column any adult household member who is not a roomer, boarder, or paid employee. Print the names of the other household members, if any, in the columns which follow, using question 1 as a checklist.
2. Fill a circle to show how each person is related to the person in column 1.

A stepchild or legally adopted child of the person in column 1 should be marked Son/daughter. Foster children or wards living in the household should be marked Roomer, boarder.

3. Be sure to fill a circle for the sex of each person.
4. Fill the circle for the category with which the person most closely identifies. If you fill the Indian (American) or Other circle, be sure to print the name of the specific Indian tribe or specific group.
5. Enter age at last birthday in the space provided (enter "0" for babies less than one year old). Also enter month and year of birth, and fill the appropriate circles. For an illustration of how to complete question 5, see the example on pages 4 and 5. If age or month or year of birth is not known, give your best estimate.
6. If the person's only marriage was annulled, mark Never married.
7. A person is of Spanish/Hispanic origin or descent if the person identifies his or her ancestry with one of the listed groups, that is, Mexican, Puerto Rican, etc. Origin or descent (ancestry) may be viewed as the nationality group, the lineage, or country in which the person or the person's parents or ancestors were born.
8. Do not count enrollment in a trade or business school, company training, or tutoring unless the course would be accepted for credit at a regular elementary school, high school, or college. A public school is any school or college which is controlled and supported primarily by a local, county, State, or Federal Government.
9. Fill only one circle. Mark the highest grade ever attended even if the person did not finish it. If the person is still in school, mark the grade in which now enrolled. Schooling received in foreign or ungraded schools should be reported as the equivalent grade or year in the regular American school system. If uncertain whether a Head Start program is for nursery school or kindergarten, mark the circle for Nursery school.

If the person skipped or repeated grades, mark the highest grade ever attended regardless of how long it took to get there. Persons who did not attend any college but who completed high school by finishing the 12th grade or by passing an equivalency test, such as the

General Educational Development (GED) examination, should fill the circle for the 12th grade.

10. Mark Finished this grade (or year) only if the person finished the entire grade or year marked in question 9 or if the highest grade was completed by passing a high school equivalency test.

INSTRUCTIONS FOR QUESTIONS H4 THROUGH H12

- H4. Mark only one circle. This address means the house or building number where your living quarters are located.
- H5. Mark the second circle only if you must go through someone else's living quarters to get to your own.
- H6. Consider that you have hot water even if you have it only part of the time.

Mark Yes, but also used by another household if someone else who lives in the same building, but is not a member of your household, also uses the facilities. Mark this circle also if the occupants of living quarters now vacant would also use the facilities in your living quarters.
- H7. Count only whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do not count bathrooms, kitchenettes, strip or pullman kitchens, utility rooms, or unfinished attics, unfinished basements, or other space used for storage.
- H8. Mark Owned or being bought if the living quarters are owned outright or are mortgaged. Also mark Owned or being bought if the living quarters are owned but the land is rented.

Mark Rented for cash rent if any money rent is paid. Rent may be paid by persons who are not members of your household.

Occupied without payment of cash rent includes, for example, a parsonage, military housing, a house or apartment provided free of rent by the owner, or a house or apartment occupied by a janitor or caretaker in exchange for services.
- H9. A condominium is housing in which the apartments or houses in a development are individually owned, but the common areas, such as lobbies, halls, etc., are jointly owned. The person owning a condominium very likely has a mortgage on the particular unit.
- H10b. A commercial establishment is easily recognized from the outside, for example, a grocery store or barber shop. A medical office is a doctor's or dentist's office regularly visited by patients.
- H11. Include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the

Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

land. If this is a condominium unit, enter the estimated value for your living quarters and your share of the common elements.

H12. Report the rent agreed to or contracted for, even if the rent is unpaid or paid by someone else.

If rent is not paid by the month, change the rent to a monthly amount; and then fill the appropriate circle in question H12.

If rent is paid:	Multiply rent by:
By the day	30
By the week	4
Every other week	2

If rent is paid:	Divide rent by:
4 times a year	3
2 times a year	6
Once a year	12

INSTRUCTIONS FOR QUESTIONS H13 THROUGH H20

H13. Mark only one circle.

Detached means there is open space on all sides, or the house is joined only to a shed or garage. *Attached* means that the house is joined to another house or building by at least one well which goes from ground to roof.

Mark A one-family house detached from any other house when a mobile home or trailer has had one or more rooms added or built onto it; a porch or shed is not considered a room.

Count all occupied and vacant living quarters in the house or building, but not stores or office space.

H14a. Do not count unfinished basements or unfinished attics. However, a basement or attic with finished room(s) for living purposes should be counted as a story.

H15a. A city or suburban lot is usually located in a city, a community, or any built-up area outside a city or community, and is not larger than the house and yard. All living quarters in apartment buildings, including garden-type apartments in the city or suburbs, are considered on a city or suburban lot.

A place is a farm, ranch, or any other property, other than a city or suburban lot, on which this residence is located.

H16. If a well provides water for six or more houses or apartments, mark A public system. If a well provides water for five or fewer houses or apartments, mark one of the categories for individual well.

Drilled wells, or small diameter wells, are usually less than 1½ feet in diameter. Dug wells are generally hand dug and are wider.

H17. A public sewer is operated by a government body or a private organization. A septic tank or cesspool is an underground tank or pit used for disposal of sewage.

H19. The term person in column 1 refers to the person listed in the first column on page 2. This person should be the household member (or one of the members) in whose name the house is owned or rented. If there is no such person, any adult household member can be the person in column 1. Mark when this person last moved into this house or apartment.

H20. This question refers to the type of heating equipment and not to the fuel used.

An electric heat pump is sometimes known as a reverse cycle

system. It may be centrally installed with ducts to the rooms or individual heat pumps in the rooms.

A floor, wall, or pipeless furnace delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed and does not have ducts leading to other rooms.

Any heater that you plug into an electric outlet should be counted as a portable room heater.

INSTRUCTIONS FOR QUESTIONS H21 THROUGH H32

H21. Gas from underground pipes is piped in from a central system such as one operated by a public utility company or a municipal government. Bottled, tank, or LP gas is stored in tanks which are refilled or exchanged when empty. Other fuel includes any fuel not separately listed, for example, purchased steam, fuel briquettes, waste material, etc.

H22. If your living quarters are rented, enter the costs for utilities and fuels only if you pay for them in addition to the rent entered in H12. If already included in rent, fill the appropriate circle.

The amounts to be reported should be for the past 12 months, that is, for electricity and gas, the monthly average for the past 12 months; for water and other fuels, the total amount for the past 12 months.

Estimate as closely as possible when exact costs are not known.

Report amounts even if your bills are unpaid or paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own living quarters. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket () the two utilities.

H23. The kitchen sink, stove, and refrigerator must be located in the building but do not have to be in the same room. Portable cooking equipment is not considered as a range or cook stove.

H26. Answer Yes only if the telephone is located in your living quarters.

H27. Count only equipment used to cool the air by means of a refrigeration unit.

H28—H29. Count company cars (including police cars and taxicabs) and company trucks that are regularly kept at home and used by household members. Do not count cars or trucks permanently out of working order.

H30—H32. Do not answer these questions if you live in a cooperative, regardless of the number of units in the structure.

H30. Report taxes for all taxing jurisdictions even if they are included in mortgage payment, not paid yet, paid by someone else, or are delinquent.

H31. When premiums are paid on other than a yearly basis, convert to a yearly basis and enter the yearly amount, even if no payment was made during the past 12 months.

H32a. The word "mortgage" is used as a general term to indicate all types of loans which are secured by real estate.

Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

- b. A second or junior mortgage is also secured by real estate but has been made by the homeowner in addition to the first mortgage.
- c. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see instructions for H12 to change it to a monthly amount.

INSTRUCTIONS FOR QUESTIONS 11 THROUGH 14

11. For persons born in the United States:

Print the name of the State in which this person's mother was living when this person was born. For persons born in a hospital, do not give the State in which the hospital was located unless the hospital and the mother's home were in the same State or the location of the mother's home is not known. For example, if a person was born in a hospital in Washington, D.C., but the mother's home was in Virginia at the time of the person's birth, enter "Virginia."

For persons born outside the United States:

Print the full name of the foreign country or Puerto Rico, Guam, etc., where the person was born. Use international boundaries as now recognized by the United States. Specify whether Northern Ireland or Ireland (Eire); East or West Germany; England, Scotland or Wales (*not* Great Britain or United Kingdom). Specify the particular island in the Caribbean, *not*, for example, West Indies.

12. This question is only for persons born in a foreign country. Fill the Yes, a naturalized citizen circle only if the person has completed the naturalization process and is now a citizen.

If the person has entered the U.S. more than once, fill the circle for the year he or she came to stay permanently.

13a. Mark No, only speaks English if the person always speaks English at home; then skip to question 14.

Mark Yes if the person speaks a language other than English *at home*. Do not mark Yes for a language spoken only at school or if speaking ability is limited to a few expressions or slang.

b. Print the non-English language spoken *at home*. If this person speaks two or more non-English languages *at home* and cannot determine which is spoken most often, report the first language the person learned to speak.

c. Fill the circle that best describes the person's *ability* to speak English.

- (1) The circle Very well should be filled for persons who have no difficulty speaking English.
- (2) The circle Well should be filled for persons who have only minor problems which do not seriously limit their ability to speak English.
- (3) The circle Not well should be filled for persons who are seriously limited in their ability to speak English.
- (4) The circle Not at all should be filled for persons who do not speak English at all.

14. Print the ancestry group with which the person *identifies*. Ancestry (or origin or descent) may be viewed as the nationality group, the lineage, or the country in which the person or the person's parents or ancestors were born before their arrival in the United States. Persons who are of more than one origin and who cannot identify with a single group should print their multiple ancestry (for example, German-Irish).

Be specific; for example, if ancestry is "Indian," specify whether American Indian, Asian Indian, or West Indian. Distinguish Cape Verdean from Portuguese, and French Canadian from Canadian.

A religious group should not be reported as a person's ancestry.

INSTRUCTIONS FOR QUESTIONS 15 THROUGH 20

15a. Mark Yes, this house if this person lived in this same house or apartment on April 1, 1975, but moved away and came back between then and now. Mark No, different house if this person lived in the same building but in a different apartment (or in the same mobile home or trailer but on a different trailer site).

b. If this person lived in a different house or apartment on April 1, 1975, give the location of this person's usual home at that time.

Part (1) If the person was living in the United States on April 1, 1975, print the name of the State. If the person did *not* live in the United States on April 1, 1975, print the full name of the foreign country or Puerto Rico, Guam, etc.

Part (2) If in Louisiana, print the parish name. If in Alaska, print the borough name. If in New York City — print the borough name if the county name is not known. If an independent city, leave blank.

Part (3) If in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island or Vermont, print the name of the town rather than the name of the village or city, unless the name of the town is unknown.

Part (4) Mark Yes if you know that the location is *now* inside the limits of a city, town, village or other incorporated place, even if it was not inside the limits on April 1, 1975.

17a. Mark Yes only if this person was on *active duty* in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard. Mark No if the person was in the National Guard or the reserves.

b. Mark Yes if the person was attending a college or university either full or part time and was enrolled for credit toward a degree. Mark No if the person was taking only non-credit courses or was attending a vocational or trade school, such as secretarial school.

c. Mark Yes, full time if the person worked full time (35 hours or more per week). Mark Yes, part time if the person worked part time (less than 35 hours per week). Mark No if the person only did unpaid volunteer work, housework or yard work at own home, or if the only work done was as a resident of an institution.

18a. Mark Yes if this person was ever on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard, even if the time served was short. For persons in the National Guard or military reserve units, mark Yes *only* if the person was ever called to active duty; mark No if the only service was active duty for training.

b. If this person served during more than one period, fill all circles which apply, even if service was for a short time.

19. The term "health condition" refers to any physical or mental problem which has lasted for *6 or more* months. A serious problem with seeing, hearing, or speech should be considered a health condition. Pregnancy or a temporary health problem such as a broken bone that is expected to heal normally should *not* be considered a health condition.

20. Count all children born alive, including any who have died (even shortly after birth) or who no longer live with her.

Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

INSTRUCTIONS FOR QUESTIONS 21 THROUGH 26

21. If the exact date of marriage is not known, give your best estimate.

22a. Mark Yes if the person worked, either full or part time, on any day of last week (Sunday through Saturday).

Count as work:

Work for someone else for wages, salary, piece rate, commission, tips, or payments "in kind" (for example, food, lodging received as payment for work performed).

Work in own business, professional practice, or farm.

Any work in a family business or farm, paid or not.

Any part-time work including babysitting, paper routes, etc.

Active duty in Armed Forces.

Do not count as work:

Housework or yard work at home.

Unpaid volunteer work.

Work done as a resident of an institution.

b. Give the *actual* number of hours worked at *all jobs last week*, even if that was more or fewer hours than usually worked.

23. If the person worked at several locations, but reported to the same location each day to begin work, print where he or she reported. If the person did not report to the same location each day to begin work, print the words "various locations" for 23a, and give as much information as possible in the remainder of 23 to identify the area in which he or she worked *most* last week.

If the person's employer operates in more than one location (such as a grocery store chain or public school system), give the exact address of the location or branch where the person worked.

If the person worked in a foreign country or Puerto Rico, Guam, etc., print the name of the country in 23e and leave the other parts of 23 blank.

24a. Travel time is from door to door. Include time taken waiting for public transportation, picking up passengers in carpools, etc.

b. Mark Worked at home for a person who works on a farm where he or she lives, or in an office or shop in the person's home.

c. If the person was driven to work by someone who then drove back home or to a non-work destination, mark Drive alone.

d. Do not include riders who rode to school or some other non-work destination.

25. If the person works only during certain seasons or on a day-to-day basis when work is available, mark No.

26a. Mark Yes if the person tried to get a job or to start a business or professional practice at any time in the last *four* weeks; for example, registered at an employment office, went to a job interview, placed or answered ads, or did anything toward starting a business or professional practice.

b. Mark No, already has a job if the person was on layoff or was expecting to report to a job within 30 days.

Mark No, temporarily ill if the person expects to be able to work within 30 days.

Mark No, other reasons if the person could not have taken a job because he or she was going to school, taking care of children, etc.

INSTRUCTIONS FOR QUESTIONS 27 THROUGH 29

27. Look at the instructions for 22a to see what to count as work. Mark Never worked if the person: (1) never worked at any kind of job or business, either full or part time, (2) never did any work, with or without pay, in a family business or farm and (3) never served in the Armed Forces.

28a. If the person worked for a company, business, or government agency, print the name of the company, not the name of the person's supervisor. If the person worked for an individual or a business that has no company name, print the name of the individual worked for. If the person worked in his or her own business, print "self-employed."

b. Print two or more words to tell what the business, industry, or individual employer named in 28a does. If there is more than one activity, describe only the major activity *at the place where the person works*. Enter what is made, what is sold, or what service is given.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

Unacceptable

Furniture company

Grocery store

Oil company

Ranch

Acceptable

Metal furniture manufacturing

Wholesale grocery store

Retail gas station

Cattle ranch

c. Mark Manufacturing if the factory, plant, mill, etc., mostly makes things, even if it also sells them.

Mark Wholesale trade if the business mostly sells things to stores or other companies.

Mark Retail trade if the business mostly sells things (not services) to individuals.

Mark Other if the main activity of the employer is not making or selling things. Some examples of Other are farming, construction, and services such as those provided by hotels, dry cleaners, repair shops, schools, and banks.

29a. Print two or more words to describe the kind of work the person does. If the person is a trainee, apprentice, or helper, include that in the description.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

Unacceptable

Clerk

Helper

Mechanic

Nurse

Acceptable

Production clerk

Carpenter's helper

Auto engine mechanic

Registered nurse

b. Print the most important things that the person does on the job. Some examples are shown on the census form.

INSTRUCTIONS FOR QUESTIONS 30 THROUGH 33

30. If the person was an employee of a *private* nonprofit organization, such as a church, fill the first circle.

Mark Local government employee for a teacher working in an elementary or secondary public school.

31a. Look at the instructions for question 22a to see what to count as work.

b. Count every week in which the person did any work at all, even for an hour.

c. If the hours worked each week varied considerably, give the best estimate of the hours usually worked most weeks.

d. Count every week in which the person did not work at all, but spent any time looking for work or on layoff from a job. *Looking for work* means trying to get a job or start a business or professional practice; *layoff* includes either temporary or indefinite layoff.

32. Fill the Yes or No circle for each part and enter the appropriate amount. If income from any source was received jointly by household members, report if possible, the appropriate share for each person; otherwise, report the whole amount for only one person and mark No for the other person, unless the other person has additional income of the same type.

a. Include sick leave pay. Do not include reimbursement for business

expenses and pay "in kind," (for example, food, lodging received as payment for work performed).

b. Include net earnings (gross earnings minus business expenses) from a nonfarm business. If business lost money, write "Loss" above the amount.

c. Include net earnings (gross receipts minus operating expenses) from a farm. If farm lost money, write "Loss" above the amount.

d. Include interest and dividends credited to the person's account (for example, from savings accounts and stock shares), net royalties, and net income from rental property.

e. Include Social Security or Railroad Retirement payments to retired persons, to dependents of deceased insured workers and to disabled workers.

f. Include public assistance or welfare payments received from Federal, State, or local agencies. Do not include private welfare payments.

g. Include all other regular payments, such as government employee retirement, union or private pensions and annuities; unemployment benefits; worker's compensation; Armed Forces allotments; private welfare payments; regular contributions from persons not living in the household; etc.

Do not include lump-sum payments received from the sale of property (capital gains), insurance policies, inheritances, etc.

33. If no income was received in 1979, fill the None circle. If total income was a loss, write "Loss" above the amount.

Please fill out this
official Census Form
and mail it back on
Census Day,
Tuesday, April 1, 1980

1980 Census of the United States

If the address shown below has the wrong apartment identification,
please write the correct apartment number or location here:

DO	A1	A2	A4	A5	L	A6
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Your answers are confidential

By law (title 13, U.S. Code), census employees are subject to fine and/or imprisonment for any disclosure of your answers. Only after 72 years does your information become available to other government agencies or the public. The same law requires that you answer the questions to the best of your knowledge.

Para personas de habla hispana

(For Spanish-speaking persons):

SI USTED DESEA UN CUESTIONARIO DEL CENSO EN ESPAÑOL
llame a la oficina del censo. El número de teléfono se encuentra en
el encasillado de la dirección.

O, si prefiere, marque esta casilla y devuelva el cuestionario
por correo en el sobre que se le incluye.

A message from the Director,
Bureau of the Census . . .

We must, from time to time, take stock of ourselves as a people if our Nation is to meet successfully the many national and local challenges we face. This is the purpose of the 1980 census.

The essential need for a population census was recognized almost 200 years ago when our Constitution was written. As provided by article I, the first census was conducted in 1790 and one has been taken every 10 years since then.

The law under which the census is taken protects the confidentiality of your answers. For the next 72 years — or until April 1, 2052 — only sworn census workers have access to the individual records, and no one else may see them.

Your answers, when combined with the answers from other people, will provide the statistical figures needed by public and private groups, schools, business and industry, and Federal, State, and local governments across the country. These figures will help all sectors of American society understand how our population and housing are changing. In this way, we can deal more effectively with today's problems and work toward a better future for all of us.

The census is a vitally important national activity. Please do your part by filling out this census form accurately and completely. If you mail it back promptly in the enclosed postage-paid envelope, it will save the expense and inconvenience of a census taker having to visit you.

Thank you for your cooperation.

How to fill out your Census Form

See the filled-out example in the yellow instruction guide. This guide will help with any problems you may have.

If you need more help, call the Census Office. The telephone number of the local office is shown at the bottom of the address box on the front cover.

Use a black pencil to answer the questions. Black pencil is better to use than ballpoint or other pens.

Fill circles "O" completely, like this ●

When you write in an answer, print or write clearly.

Make sure that answers are provided for everyone here.

See page 4 of the guide if a roomer or someone else in the household does not want to give you all the information for the form.

Answer the questions on pages 1 through 5, and then starting with pages 6 and 7, fill a pair of pages for each person in the household.

Check your answers. Then write your name, the date, and telephone number on page 20.

Mail back this form on Tuesday, April 1, or as soon afterward as you can. Use the enclosed envelope; no stamp is needed.

Please start by answering Question 1 below.

Question 1

List in Question 1

- Family members living here, including babies still in the hospital
- Relatives living here
- Lodgers or boarders living here
- Other persons living here
- College students who stay here while attending college, even if their parents live elsewhere
- Persons who usually live here but are temporarily away (including children in boarding school below the college level)
- Persons with a home elsewhere but who stay here most of the week while working

1. What is the name of each person who was living here on Tuesday, April 1, 1980, or who was staying or visiting here and had no other home?

Do Not List in Question 1

- Any person away from here in the Armed Forces.
- Any college student who stays somewhere else while attending college.
- Any person who usually stays somewhere else most of the week while working there.
- Any person away from here in an institution such as a home for the aged or mental hospital.
- Any person staying or visiting here who has a usual home elsewhere.

Note

If everyone here is staying only temporarily and has a usual home elsewhere, please mark this box .

Then please:

- answer the questions on pages 2 through 5 only, and
- enter the address of your usual home on page 20.

Please continue →

Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

Page 2

→ ALSO ANSWER THE HOUSING QUESTIONS ON PAGE 3

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| Here are the
QUESTIONS
↓
These are the columns
for ANSWERS →
<i>Please fill one column for each
person listed in Question 1.</i> | PERSON in column 1
Last name _____
First name _____ Middle initial _____

START in this column with the household
member (or one of the members) in whose
name the home is owned or rented. If there
is no such person, start in this column with
any adult household member.

 | | PERSON in column 2
Last name _____
First name _____ Middle initial _____

If relative of person in column 1:
<input type="radio"/> Husband/wife <input type="radio"/> Father/mother
<input type="radio"/> Son/daughter <input type="radio"/> Other relative
<input type="radio"/> Brother/sister

If not related to person in column 1:
<input type="radio"/> Roomer, boarder <input type="radio"/> Other nonrelative
<input type="radio"/> Partner, roommate
<input type="radio"/> Paid employee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 2. How is this person related to the person
in column 1?

<i>Fill one circle.</i>

<i>If "Other relative" of person in column 1,
give exact relationship, such as mother-in-law,
niece, grandson, etc.</i> |

 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3. Sex <i>Fill one circle.</i>

4. Is this person —

<i>Fill one circle.</i> | <input type="radio"/> Male <input checked="" type="checkbox"/> <input type="radio"/> Female

<input type="radio"/> White <input type="radio"/> Asian Indian
<input type="radio"/> Black or Negro <input type="radio"/> Hawaiian
<input type="radio"/> Japanese <input type="radio"/> Guamanian
<input type="radio"/> Chinese <input type="radio"/> Samoan
<input type="radio"/> Filipino <input type="radio"/> Eskimo
<input type="radio"/> Korean <input type="radio"/> Aleut
<input type="radio"/> Vietnamese <input type="radio"/> Other — <i>Specify</i>
<input type="radio"/> Indian (Amer.)
<i>Print tribe →</i>

 | <input type="radio"/> Male <input checked="" type="checkbox"/> <input type="radio"/> Female

<input type="radio"/> White <input type="radio"/> Asian Indian
<input type="radio"/> Black or Negro <input type="radio"/> Hawaiian
<input type="radio"/> Japanese <input type="radio"/> Guamanian
<input type="radio"/> Chinese <input type="radio"/> Samoan
<input type="radio"/> Filipino <input type="radio"/> Eskimo
<input type="radio"/> Korean <input type="radio"/> Aleut
<input type="radio"/> Vietnamese <input type="radio"/> Other — <i>Specify</i>
<input type="radio"/> Indian (Amer.)
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| 5. Age, and month and year of birth

<i>a. Print age at last birthday.</i>
<i>b. Print month and fill one circle.</i>
<i>c. Print year in the spaces, and fill one circle
below each number.</i> | a. Age at last
birthday c. Year of birth
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">9</td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td 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| 1 | <input checked="" type="radio"/>

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| 9 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

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| 0 | <input type="radio"/>

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| 0 | <input type="radio"/>

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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 0 | <input type="radio"/>

 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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PERSON in column 7																				
Last name																				
First name	Middle initial																			
If relative of person in column 1:																				
<input type="radio"/> Husband/wife	<input type="radio"/> Father/mother																			
<input type="radio"/> Son/daughter	<input type="radio"/> Other relative																			
<input type="radio"/> Brother/sister																				
If not related to person in column 1:																				
<input type="radio"/> Roomer, boarder	<input type="radio"/> Other nonrelative																			
<input type="radio"/> Partner, roommate																				
<input type="radio"/> Paid employee																				
<input type="radio"/> Male	<input checked="" type="checkbox"/> Female																			
<input type="radio"/> White	<input type="radio"/> Asian Indian																			
<input type="radio"/> Black or Negro	<input type="radio"/> Hawaiian																			
<input type="radio"/> Japanese	<input type="radio"/> Guamanian																			
<input type="radio"/> Chinese	<input type="radio"/> Samoan																			
<input type="radio"/> Filipino	<input type="radio"/> Eskimo																			
<input type="radio"/> Korean	<input type="radio"/> Aleut																			
<input type="radio"/> Vietnamese	<input type="radio"/> Other — <i>Specify</i>																			
<input type="radio"/> Indian (Amer.) <i>Print tribe</i> →																				
a. Age at last birthday	c. Year of birth																			
<input type="radio"/>	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8	<input type="radio"/> 9	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8	<input type="radio"/> 9	<input type="radio"/> 0
b. Month of birth	<input type="radio"/> Jan.—Mar.	<input type="radio"/> Apr.—June	<input type="radio"/> July—Sept.	<input type="radio"/> Oct.—Dec.	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8	<input type="radio"/> 9	<input type="radio"/> 0						
<input type="radio"/> Now married	<input type="radio"/> Separated																			
<input type="radio"/> Widowed	<input type="radio"/> Never married																			
<input type="radio"/> Divorced																				
<input type="radio"/> No (not Spanish/Hispanic)																				
<input type="radio"/> Yes, Mexican, Mexican-Amer., Chicano																				
<input type="radio"/> Yes, Puerto Rican	<input checked="" type="checkbox"/>																			
<input type="radio"/> Yes, Cuban																				
<input type="radio"/> Yes, other Spanish/Hispanic																				
<input type="radio"/> No, has not attended since February 1																				
<input type="radio"/> Yes, public school, public college																				
<input type="radio"/> Yes, private, church-related																				
<input type="radio"/> Yes, private, not church-related																				
Highest grade attended:																				
<input type="radio"/> Nursery school	<input type="radio"/> Kindergarten																			
Elementary through high school (grade or year)																				
1	2	3	4	5	6	7	8	9	10	11	12									
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>									
College (academic year)																				
1	2	3	4	5	6	7	8	more												
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>													
<input type="radio"/> Never attended school — <i>Skip question 1</i>																				
<input type="radio"/> Now attending this grade (or year)																				
<input type="radio"/> Finished this grade (or year)																				
<input type="radio"/> Did not finish this grade (or year)																				

If you listed more than
7 persons in Question 1,
please see note on page 20.

**NOW PLEASE ANSWER QUESTIONS H1–H12
FOR YOUR HOUSEHOLD**

<p>H1. Did you leave anyone out of Question 1 because you were not sure if the person should be listed — for example, a new baby still in the hospital, a lodger who also has another home, or a person who stays here once in a while and has no other home?</p> <p><input type="radio"/> Yes — On page 20 give name(s) and reason left out. <input type="radio"/> No</p>	<p>H9. Is this apartment (house) part of a condominium?</p> <p><input type="radio"/> No <input type="radio"/> Yes, a condominium</p>
<p>H2. Did you list anyone in Question 1 who is away from home now — for example, on a vacation or in a hospital?</p> <p><input type="radio"/> Yes — On page 20 give name(s) and reason person is away. <input type="radio"/> No</p>	<p>H10. If this is a one-family house —</p> <p>a. Is the house on a property of 10 or more acres? <input type="radio"/> Yes <input checked="" type="checkbox"/> <input type="radio"/> No</p>
<p>H3. Is anyone visiting here who is not already listed?</p> <p><input type="radio"/> Yes — On page 20 give name of each visitor for whom there is no one at the home address to report the person to a census taker. <input type="radio"/> No</p>	<p>b. Is any part of the property used as a commercial establishment or medical office? <input type="radio"/> Yes <input type="radio"/> No</p>
<p>H4. How many living quarters, occupied and vacant, are at this address?</p> <p><input type="radio"/> One <input checked="" type="checkbox"/> <input type="radio"/> 2 apartments or living quarters <input type="radio"/> 3 apartments or living quarters <input type="radio"/> 4 apartments or living quarters <input type="radio"/> 5 apartments or living quarters <input type="radio"/> 6 apartments or living quarters <input type="radio"/> 7 apartments or living quarters <input type="radio"/> 8 apartments or living quarters <input type="radio"/> 9 apartments or living quarters <input type="radio"/> 10 or more apartments or living quarters <input type="radio"/> This is a mobile home or trailer</p>	<p>H11. If you live in a one-family house or a condominium unit which you own or are buying —</p> <p>What is the value of this property, that is, how much do you think this property (house and lot or condominium unit) would sell for if it were for sale?</p> <p>Do not answer this question if this is —</p> <p><input checked="" type="checkbox"/></p> <ul style="list-style-type: none"> • A mobile home or trailer • A house on 10 or more acres • A house with a commercial establishment or medical office on the property
<p>H5. Do you enter your living quarters —</p> <p><input type="radio"/> Directly from the outside or through a common or public hall? <input type="radio"/> Through someone else's living quarters?</p>	<p><input type="radio"/> Less than \$10,000 <input type="radio"/> \$50,000 to \$54,999 <input type="radio"/> \$10,000 to \$14,999 <input type="radio"/> \$55,000 to \$59,999 <input type="radio"/> \$15,000 to \$17,499 <input type="radio"/> \$60,000 to \$64,999 <input type="radio"/> \$17,500 to \$19,999 <input type="radio"/> \$65,000 to \$69,999 <input type="radio"/> \$20,000 to \$22,499 <input type="radio"/> \$70,000 to \$74,999 <input type="radio"/> \$22,500 to \$24,999 <input checked="" type="checkbox"/> <input type="radio"/> \$75,000 to \$79,999 <input type="radio"/> \$25,000 to \$27,499 <input type="radio"/> \$80,000 to \$89,999 <input type="radio"/> \$27,500 to \$29,999 <input type="radio"/> \$90,000 to \$99,999 <input type="radio"/> \$30,000 to \$34,999 <input type="radio"/> \$100,000 to \$124,999 <input type="radio"/> \$35,000 to \$39,999 <input type="radio"/> \$125,000 to \$149,999 <input type="radio"/> \$40,000 to \$44,999 <input type="radio"/> \$150,000 to \$199,999 <input type="radio"/> \$45,000 to \$49,999 <input type="radio"/> \$200,000 or more</p>
<p>H6. Do you have complete plumbing facilities in your living quarters, that is, hot and cold piped water, a flush toilet, and a bathtub or shower?</p> <p><input type="radio"/> Yes, for this household only <input type="radio"/> Yes, but also used by another household <input type="radio"/> No, have some but not all plumbing facilities <input type="radio"/> No plumbing facilities in living quarters</p>	<p>H12. If you pay rent for your living quarters —</p> <p>What is the monthly rent?</p> <p>If rent is not paid by the month, see the instruction guide on how to figure a monthly rent.</p>
<p>H7. How many rooms do you have in your living quarters?</p> <p><i>Do not count bathrooms, porches, balconies, foyers, halls, or half-rooms.</i></p> <p><input type="radio"/> 1 room <input checked="" type="checkbox"/> <input type="radio"/> 4 rooms <input type="radio"/> 7 rooms <input type="radio"/> 2 rooms <input type="radio"/> 5 rooms <input type="radio"/> 8 rooms <input type="radio"/> 3 rooms <input type="radio"/> 6 rooms <input type="radio"/> 9 or more rooms</p>	<p><input type="radio"/> Less than \$50 <input type="radio"/> \$160 to \$169 <input type="radio"/> \$50 to \$59 <input type="radio"/> \$170 to \$179 <input type="radio"/> \$60 to \$69 <input type="radio"/> \$180 to \$189 <input type="radio"/> \$70 to \$79 <input type="radio"/> \$190 to \$199 <input type="radio"/> \$80 to \$89 <input type="radio"/> \$200 to \$224 <input type="radio"/> \$90 to \$99 <input checked="" type="checkbox"/> <input type="radio"/> \$225 to \$249 <input type="radio"/> \$100 to \$109 <input type="radio"/> \$250 to \$274 <input type="radio"/> \$110 to \$119 <input type="radio"/> \$275 to \$299 <input type="radio"/> \$120 to \$129 <input type="radio"/> \$300 to \$349 <input type="radio"/> \$130 to \$139 <input type="radio"/> \$350 to \$399 <input type="radio"/> \$140 to \$149 <input type="radio"/> \$400 to \$499 <input type="radio"/> \$150 to \$159 <input type="radio"/> \$500 or more</p>
<p>H8. Are your living quarters —</p> <p><input type="radio"/> Owned or being bought by you or by someone else in this household? <input type="radio"/> Rented for cash rent? <input type="radio"/> Occupied without payment of cash rent?</p>	

FOR CENSUS USE ONLY

FOR CENSUS USE ONLY									
<u>A4.</u> Block number	<u>A6.</u> Serial number	<u>B.</u> Type of unit or quarters	<u>C.</u> For vacant units			<u>D.</u> Months vacant			<u>F.</u> Total persons
		<u>Occupied</u>	<u>C1.</u> Is this unit for —						
0 0 0	0 0 0 0	<input type="radio"/> First form	<input type="radio"/> Year round use						0 0 0
I I I	I I I	<input type="radio"/> Continuation	<input type="radio"/> Seasonal/Mig. — Skip C2, C3, and D.						I I I
2 2 2	2 2 2	<u>Vacant</u>							2 2 2
3 3 3	3 3 3 3	<input type="radio"/> Regular	<u>C2. Vacancy status</u>						3 3 3
4 4 4	4 4 4 4	<input type="radio"/> Usual home elsewhere	<input type="radio"/> For rent			<input checked="" type="checkbox"/>			4 4 4
5 5 5	5 5 5 5	<u>Group quarters</u>	<input type="radio"/> For sale only						5 5 5
6 6 6	6 6 6 6	<input type="radio"/> First form	<input type="radio"/> Rented or sold, not occupied						6 6 6
7 7 7	7 7 7	<input type="radio"/> Continuation	<input type="radio"/> Held for occasional use						7 7 7
8 8 8	8 8 8 8		<input type="radio"/> Other vacant						8 8 8
9 9 9	9 9 9 9		<u>C3. Is this unit boarded up?</u>						9 9 9
			<input type="radio"/> Yes	<input type="radio"/> No				<input type="radio"/> Mail return	
								<input type="radio"/> Pop./F	
								<input type="radio"/>	

Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

Page 4

H13. Which best describes this building? <i>Include all apartments, flats, etc., even if vacant.</i> <ul style="list-style-type: none"> <input type="radio"/> A mobile home or trailer <input type="radio"/> A one-family house detached from any other house <input type="radio"/> A one-family house attached to one or more houses <input type="radio"/> A building for 2 families <input type="radio"/> A building for 3 or 4 families <input type="radio"/> A building for 5 to 9 families <input type="radio"/> A building for 10 to 19 families <input type="radio"/> A building for 20 to 49 families <input type="radio"/> A building for 50 or more families <input type="radio"/> A boat, tent, van, etc. 		H21a. Which fuel is used most for house heating? <ul style="list-style-type: none"> <input type="radio"/> Gas: from underground pipes serving the neighborhood <input type="radio"/> Gas: bottled, tank, or LP <input type="radio"/> Electricity <input type="radio"/> Fuel oil, kerosene, etc. <input checked="" type="checkbox"/> <input type="radio"/> Coal or coke <input type="radio"/> Wood <input type="radio"/> Other fuel <input type="radio"/> No fuel used 																																	
H14a. How many stories (floors) are in this building? <i>Count an attic or basement as a story if it has any finished rooms for living purposes.</i> <ul style="list-style-type: none"> <input type="radio"/> 1 to 3 — <i>Skip to H15</i> <input type="radio"/> 7 to 12 <input type="radio"/> 4 to 6 <input type="radio"/> 13 or more stories 		b. Which fuel is used most for water heating? <ul style="list-style-type: none"> <input type="radio"/> Gas: from underground pipes serving the neighborhood <input type="radio"/> Gas: bottled, tank, or LP <input type="radio"/> Electricity <input type="radio"/> Fuel oil, kerosene, etc. <input checked="" type="checkbox"/> <input type="radio"/> Coal or coke <input type="radio"/> Wood <input type="radio"/> Other fuel <input type="radio"/> No fuel used 																																	
b. Is there a passenger elevator in this building? <ul style="list-style-type: none"> <input type="radio"/> Yes <input type="radio"/> No 		c. Which fuel is used most for cooking? <ul style="list-style-type: none"> <input type="radio"/> Gas: from underground pipes serving the neighborhood <input type="radio"/> Gas: bottled, tank, or LP <input type="radio"/> Electricity <input type="radio"/> Fuel oil, kerosene, etc. <input checked="" type="checkbox"/> <input type="radio"/> Coal or coke <input type="radio"/> Wood <input type="radio"/> Other fuel <input type="radio"/> No fuel used 																																	
H15a. Is this building — <ul style="list-style-type: none"> <input type="radio"/> On a city or suburban lot, or on a place of less than 1 acre? — <i>Skip to H16</i> <input type="radio"/> On a place of 1 to 9 acres? <input type="radio"/> On a place of 10 or more acres? 		H22. What are the costs of utilities and fuels for your living quarters? <ul style="list-style-type: none"> a. Electricity <table border="0"> <tr> <td>\$</td> <td>.00</td> <td>OR</td> <td><input type="radio"/> Included in rent or no charge</td> </tr> <tr> <td colspan="3"><i>Average monthly cost</i></td> <td><input type="radio"/> Electricity not used</td> </tr> </table> b. Gas <table border="0"> <tr> <td>\$</td> <td>.00</td> <td>OR</td> <td><input type="radio"/> Included in rent or no charge</td> </tr> <tr> <td colspan="3"><i>Average monthly cost</i></td> <td><input type="radio"/> Gas not used</td> </tr> </table> c. Water <table border="0"> <tr> <td>\$</td> <td>.00</td> <td>OR</td> <td><input type="radio"/> Included in rent or no charge</td> </tr> <tr> <td colspan="3"><i>Yearly cost</i></td> <td></td> </tr> </table> d. Oil, coal, kerosene, wood, etc. <table border="0"> <tr> <td>\$</td> <td>.00</td> <td>OR</td> <td><input type="radio"/> Included in rent or no charge</td> </tr> <tr> <td colspan="3"><i>Yearly cost</i></td> <td><input type="radio"/> These fuels not used</td> </tr> </table> 		\$.00	OR	<input type="radio"/> Included in rent or no charge	<i>Average monthly cost</i>			<input type="radio"/> Electricity not used	\$.00	OR	<input type="radio"/> Included in rent or no charge	<i>Average monthly cost</i>			<input type="radio"/> Gas not used	\$.00	OR	<input type="radio"/> Included in rent or no charge	<i>Yearly cost</i>				\$.00	OR	<input type="radio"/> Included in rent or no charge	<i>Yearly cost</i>			<input type="radio"/> These fuels not used
\$.00	OR	<input type="radio"/> Included in rent or no charge																																
<i>Average monthly cost</i>			<input type="radio"/> Electricity not used																																
\$.00	OR	<input type="radio"/> Included in rent or no charge																																
<i>Average monthly cost</i>			<input type="radio"/> Gas not used																																
\$.00	OR	<input type="radio"/> Included in rent or no charge																																
<i>Yearly cost</i>																																			
\$.00	OR	<input type="radio"/> Included in rent or no charge																																
<i>Yearly cost</i>			<input type="radio"/> These fuels not used																																
H16. Do you get water from — <ul style="list-style-type: none"> <input type="radio"/> A public system (<i>city water department, etc.</i>) or private company? <input type="radio"/> An individual drilled well? <input type="radio"/> An individual dug well? <input type="radio"/> Some other source (<i>a spring, creek, river, cistern, etc.</i>)? 		H23. Do you have complete kitchen facilities? <i>Complete kitchen facilities are a sink with piped water, a range or cookstove, and a refrigerator.</i> <ul style="list-style-type: none"> <input type="radio"/> Yes <input checked="" type="checkbox"/> <input type="radio"/> No 																																	
H17. Is this building connected to a public sewer? <ul style="list-style-type: none"> <input type="radio"/> Yes, connected to public sewer <input type="radio"/> No, connected to septic tank or cesspool <input type="radio"/> No, use other means 		H24. How many bedrooms do you have? <i>Count rooms used mainly for sleeping even if used also for other purposes.</i> <ul style="list-style-type: none"> <input type="radio"/> No bedroom <input type="radio"/> 2 bedrooms <input type="radio"/> 4 bedrooms <input type="radio"/> 1 bedroom <input type="radio"/> 3 bedrooms <input type="radio"/> 5 or more bedrooms 																																	
H18. About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted. <ul style="list-style-type: none"> <input type="radio"/> 1979 or 1980 <input type="radio"/> 1960 to 1969 <input type="radio"/> 1940 to 1949 <input type="radio"/> 1975 to 1978 <input type="radio"/> 1950 to 1959 <input type="radio"/> 1939 or earlier <input type="radio"/> 1970 to 1974 <input checked="" type="checkbox"/> <input type="radio"/> 1960 to 1969 		H25. How many bathrooms do you have? <i>A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water.</i> <i>A half bathroom has at least a flush toilet or bathtub or shower, but does not have all the facilities for a complete bathroom.</i> <ul style="list-style-type: none"> <input type="radio"/> No bathroom, or only a half bathroom <input type="radio"/> 1 complete bathroom <input type="radio"/> 1 complete bathroom, plus half bath(s) <input type="radio"/> 2 or more complete bathrooms 																																	
H19. When did the person listed in column 1 move into this house (or apartment)? <ul style="list-style-type: none"> <input type="radio"/> 1979 or 1980 <input type="radio"/> 1950 to 1959 <input type="radio"/> 1975 to 1978 <input type="radio"/> 1949 or earlier <input type="radio"/> 1970 to 1974 <input type="radio"/> Always lived here <input type="radio"/> 1960 to 1969 		H26. Do you have a telephone in your living quarters? <ul style="list-style-type: none"> <input type="radio"/> Yes <input checked="" type="checkbox"/> <input type="radio"/> No 																																	
H20. How are your living quarters heated? <i>Fill one circle for the kind of heat used most.</i> <ul style="list-style-type: none"> <input type="radio"/> Steam or hot water system <input type="radio"/> Central warm-air furnace with ducts to the individual rooms (<i>Do not count electric heat pumps here</i>) <input type="radio"/> Electric heat pump <input type="radio"/> Other built-in electric units (<i>permanently installed in wall, ceiling, or baseboard</i>) <input checked="" type="checkbox"/> <input type="radio"/> Floor, wall, or pipeless furnace <input type="radio"/> Room heaters with flue or vent, burning gas, oil, or kerosene <input type="radio"/> Room heaters without flue or vent, burning gas, oil, or kerosene (<i>not portable</i>) <input type="radio"/> Fireplaces, stoves, or portable room heaters of any kind <input type="radio"/> No heating equipment 		H27. Do you have air conditioning? <ul style="list-style-type: none"> <input type="radio"/> Yes, a central air-conditioning system <input type="radio"/> Yes, 1 individual room unit <input type="radio"/> Yes, 2 or more individual room units <input type="radio"/> No 																																	
H28. How many automobiles are kept at home for use by members of your household? <ul style="list-style-type: none"> <input type="radio"/> None <input checked="" type="checkbox"/> <input type="radio"/> 2 automobiles <input type="radio"/> 1 automobile <input type="radio"/> 3 or more automobiles 		H29. How many vans or trucks of one-ton capacity or less are kept at home for use by members of your household? <ul style="list-style-type: none"> <input type="radio"/> None <input type="radio"/> 2 vans or trucks <input checked="" type="checkbox"/> <input type="radio"/> 1 van or truck <input type="radio"/> 3 or more vans or trucks 																																	

Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

FOR YOUR HOUSEHOLD

Page 5

Please answer H30-H32 if you live in a one-family house which you own or are buying, unless this is —

- A mobile home or trailer
- A house on 10 or more acres
- A condominium unit
- A house with a commercial establishment or medical office on the property

If any of these, or if you rent your unit or this is a multi-family structure, skip H30 to H32 and turn to page 6.

H30. What were the real estate taxes on this property last year?

\$.00 OR None

H31. What is the annual premium for fire and hazard insurance on this property?

\$.00 OR None

H32a. Do you have a mortgage, deed of trust, contract to purchase, or similar debt on this property?

- Yes, mortgage, deed of trust, or similar debt
- Yes, contract to purchase
- No — Skip to page 6

b. Do you have a second or junior mortgage on this property?

- Yes
- No

c. How much is your total regular monthly payment to the lender?

Also include payments on a contract to purchase and to lenders holding second or junior mortgages on this property.

\$.00 OR No regular payment required — *Skip to page 6*

d. Does your regular monthly payment (amount entered in H32c) include payments for real estate taxes on this property?

- Yes, taxes included in payment
- No, taxes paid separately or taxes not required

e. Does your regular monthly payment (amount entered in H32c) include payments for fire and hazard insurance on this property?

- Yes, insurance included in payment
- No, insurance paid separately or no insurance

Please turn to page 6 

FOR CENSUS USE ONLY

(1)	2. <input type="checkbox"/> 4.	(2)	2. <input type="checkbox"/> 4.	(3)	2. <input type="checkbox"/> 4.
S.S.	○ ○ I I 2 2 Yes 3 3 ○ 4 4 5 5 G G G G No ? ? ? ○ 8 8 8 9 9 9	S.S.	○ ○ I I 2 2 Yes 3 3 ○ 4 4 5 5 G G G G No ? ? ? ○ 8 8 8 9 9 9	S.S.	○ ○ I I 2 2 Yes 3 3 ○ 4 4 5 5 G G G G No ? ? ? ○ 8 8 8 9 9 9
(4)	2. <input checked="" type="checkbox"/> 4.	(5)	2. <input checked="" type="checkbox"/> 4.	(6)	2. <input checked="" type="checkbox"/> 4.
S.S.	○ ○ I I 2 2 Yes 3 3 ○ 4 4 5 5 G G G G No ? ? ? ○ 8 8 8 9 9 9	S.S.	○ ○ I I 2 2 Yes 3 3 ○ 4 4 5 5 G G G G No ? ? ? ○ 8 8 8 9 9 9	S.S.	○ ○ I I 2 2 Yes 3 3 ○ 4 4 5 5 G G G G No ? ? ? ○ 8 8 8 9 9 9
(7)	2. <input checked="" type="checkbox"/> 4.	GQ. <input type="checkbox"/>	H30. <input type="checkbox"/>	H31. <input type="checkbox"/>	H32c. <input type="checkbox"/>
S.S.	○ ○ I I 2 2 Yes 3 3 ○ 4 4 5 5 G G G G No ? ? ? ○ 8 8 8 9 9 9	○ ○ I I 2 2 Yes 3 3 ○ 4 4 5 5 G G G G No ? ? ? ○ 8 8 8 9 9 9	○ ○ ○ ○ I I I I 2 2 2 2 Yes 3 3 3 3 ○ 4 4 4 4 5 5 5 5 G G G G No ? ? ? ? ○ 8 8 8 8 9 9 9 9	○ ○ ○ ○ I I I I 2 2 2 2 Yes 3 3 3 3 ○ 4 4 4 4 5 5 5 5 G G G G No ? ? ? ? ○ 8 8 8 8 9 9 9 9	○ ○ ○ ○ I I I I 2 2 2 2 Yes 3 3 3 3 ○ 4 4 4 4 5 5 5 5 G G G G No ? ? ? ? ○ 8 8 8 8 9 9 9 9

Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

Page 6

ANSWER THESE QUESTIONS FOR

Name of Person 1 on page 2: Last name First name Middle initial			16. When was this person born? <input type="radio"/> Born before April 1965 — <i>Please go on with questions 17-33</i> <input type="radio"/> Born April 1965 or later — <i>Turn to next page for next person</i>											
11. In what State or foreign country was this person born? <i>Print the State where this person's mother was living when this person was born. Do not give the location of the hospital unless the mother's home and the hospital were in the same State.</i> Name of State or foreign country; or Puerto Rico, Guam, etc.			17. In April 1975 (five years ago) was this person — a. On active duty in the Armed Forces? <input type="radio"/> Yes <input type="radio"/> No b. Attending college? <input type="radio"/> Yes <input type="radio"/> No c. Working at a job or business? <input type="radio"/> Yes, full time <input type="radio"/> No <input type="radio"/> Yes, part time											
			18a. Is this person a veteran of active-duty military service in the Armed Forces of the United States? <i>If service was in National Guard or Reserves only, see Instruction guide.</i> <input type="radio"/> Yes <input type="radio"/> No — Skip to 19											
12. If this person was born in a foreign country — a. Is this person a naturalized citizen of the United States? <input type="radio"/> Yes, a naturalized citizen <input type="radio"/> No, not a citizen <input type="radio"/> Born abroad of American parents			b. When did this person come to the United States to stay? <input type="radio"/> 1975 to 1980 <input type="radio"/> 1965 to 1969 <input type="radio"/> 1950 to 1959 <input type="radio"/> 1970 to 1974 <input type="radio"/> 1960 to 1964 <input type="radio"/> Before 1950											
			18b. Was active-duty military service during — <i>Fill a circle for each period in which this person served.</i> <input type="radio"/> May 1975 or later <input type="radio"/> Vietnam era (August 1964—April 1975) <input type="radio"/> February 1955—July 1964 <input type="radio"/> Korean conflict (June 1950—January 1955) <input type="radio"/> World War II (September 1940—July 1947) <input type="radio"/> World War I (April 1917—November 1918) <input type="radio"/> Any other time											
13a. Does this person speak a language other than English at home? <input checked="" type="checkbox"/> Yes <input type="radio"/> No, only speaks English — Skip to 14			19. Does this person have a physical, mental, or other health condition which has lasted for 6 or more months and which . . . a. Limits the kind or amount Yes No of work this person can do at a job? b. Prevents this person from working at a job? Yes No c. Limits or prevents this person from using public transportation? Yes No											
			14. What is this person's ancestry? If uncertain about how to report ancestry, see Instruction guide. <i>(For example: Afro-American, English, French, German, Honduran, Hungarian, Irish, Italian, Jamaican, Korean, Lebanese, Mexican, Nigerian, Polish, Ukrainian, Venezuelan, etc.)</i>			20. If this person is a female — None 1 2 3 4 5 6 How many babies has she ever had, not counting stillbirths? <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <i>Do not count her stepchildren or children she has adopted.</i> 7 8 9 10 11 12 or more <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>								
15a. Did this person live in this house five years ago (April 1, 1975)? <i>If in college or Armed Forces in April 1975, report place of residence there.</i> <input type="radio"/> Born April 1975 or later — Turn to next page for next person <input type="radio"/> Yes, this house — Skip to 16 <input checked="" type="checkbox"/> No, different house						21. If this person has ever been married — a. Has this person been married more than once? <input type="radio"/> Once <input type="radio"/> More than once								
			b. Where did this person live five years ago (April 1, 1975)? (1) State, foreign country, Puerto Rico, Guam, etc.: _____			b. Month and year of marriage? Month and year of first marriage? (Month) (Year) (Month) (Year)								
(2) County: _____ (3) City, town, village, etc.: _____ (4) Inside the incorporated (legal) limits of that city, town, village, etc.? <input type="radio"/> Yes <input type="radio"/> No, in unincorporated area						c. If married more than once — Did the first marriage end because of the death of the husband (or wife)? <input type="radio"/> Yes <input type="radio"/> No								
			FOR CENSUS USE ONLY											
Per. No.	11. []	13b.	14. []	15b.	23. []	VL	24a.							
0 0 0 I 2 3 4 5 6 7 8 9	0 0 0 I I I 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 ? ? ? 8 8 8 9 9 9	0 0 0 I I I 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 ? ? ? 8 8 8 9 9 9	0 0 0 I I I 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 ? ? ? 8 8 8 9 9 9	0 0 0 I I I 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 ? ? ? 8 8 8 9 9 9	0 0 0 I I I 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 ? ? ? 8 8 8 9 9 9	0 0 0 I I I 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 ? ? ? 8 8 8 9 9 9								

Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

PERSON 1 ON PAGE 2

Page 7

<p>c. When going to work <u>last week</u>, did this person usually —</p> <p><input type="radio"/> Drive alone — Skip to 28 <input type="radio"/> Drive others only <input type="radio"/> Share driving <input type="radio"/> Ride as passenger only</p> <p>d. How many people, including this person, usually rode to work in the car, truck, or van <u>last week</u>? <input type="radio"/> 2 <input checked="" type="checkbox"/> 4 <input type="radio"/> 6 <input type="radio"/> 3 <input type="radio"/> 5 <input type="radio"/> 7 or more <input checked="" type="checkbox"/></p> <p><i>After answering 24d, skip to 28.</i></p> <p>25. Was this person <u>temporarily absent</u> or on layoff from a job or business <u>last week</u>? <input type="radio"/> Yes, on layoff <input type="radio"/> Yes, on vacation, temporary illness, labor dispute, etc. <input type="radio"/> No</p> <p>26a. Has this person been looking for work during the last 4 weeks? <input checked="" type="checkbox"/> Yes <input type="radio"/> No — Skip to 27</p> <p>b. Could this person have taken a job <u>last week</u>? <input type="radio"/> No, already has a job <input checked="" type="checkbox"/> <input type="radio"/> No, temporarily ill <input type="radio"/> No, other reasons (in school, etc.) <input checked="" type="checkbox"/> <input type="radio"/> Yes, could have taken a job</p> <p>27. When did this person last work, even for a few days? <input type="radio"/> 1980 <input type="radio"/> 1978 <input type="radio"/> 1970 to 1974 <input type="radio"/> 1979 <input type="radio"/> 1975 to 1977 <input type="radio"/> 1969 or earlier <input type="radio"/> Never worked Skip to 31d</p> <p>28–30. Current or most recent job activity <i>Describe clearly this person's chief job activity or business last week. If this person had more than one job, describe the one at which this person worked the most hours. If this person had no job or business last week, give information for last job or business since 1975.</i></p> <p>a. For whom did this person work? If now on active duty in the Armed Forces, print "AF" and skip to question 31.</p> <p>(Name of company, business, organization, or other employer)</p> <p>b. What kind of business or industry was this? <i>Describe the activity or location where employed.</i></p> <p>(For example: Hospital, newspaper publishing, mail order house, auto engine manufacturing, breakfast cereal manufacturing)</p> <p>c. Is this mainly — (Fill one circle) Manufacturing <input checked="" type="checkbox"/> Retail trade Wholesale trade <input type="radio"/> Other — (agriculture, construction, service, government, etc.)</p> <p>29. Occupation a. What kind of work was this person doing? <i>(For example: Registered nurse, personnel manager, supervisor of order department, gasoline engine assembler, grinder operator)</i></p> <p>b. What were this person's most important activities or duties? <i>(For example: Patient care, directing hiring policies, supervising order clerks, assembling engines, operating grinding mill)</i></p> <p>30. Was this person — (Fill one circle) Employee of private company, business, or individual, for wages, salary, or commissions <input checked="" type="checkbox"/> Federal government employee <input type="radio"/> State government employee <input type="radio"/> Local government employee (city, county, etc.) <input type="radio"/> Self-employed in own business, professional practice, or farm — Own business not incorporated <input type="radio"/> Own business incorporated <input type="radio"/> Working without pay in family business or farm <input type="radio"/></p>		<p>CENSUS USE</p> <table border="1" style="margin-bottom: 10px; border-collapse: collapse;"> <tr><td>21b.</td><td colspan="3">31a. Last year (1979), did this person work, even for a few days, at a paid job or in a business or farm?</td></tr> <tr><td>I 0 0</td><td><input type="radio"/> Yes <input checked="" type="checkbox"/></td><td><input type="radio"/> No — Skip to 31d</td><td></td></tr> <tr><td>I 1 1</td><td></td><td></td><td></td></tr> <tr><td>O 2 2</td><td></td><td></td><td></td></tr> <tr><td>II 3 3</td><td></td><td></td><td></td></tr> <tr><td>O 4 4</td><td></td><td></td><td></td></tr> <tr><td>III 5 5</td><td></td><td></td><td></td></tr> <tr><td>O 6 6</td><td></td><td></td><td></td></tr> <tr><td>O ? ?</td><td></td><td></td><td></td></tr> <tr><td>IV 8 8</td><td></td><td></td><td></td></tr> <tr><td>O 9 9</td><td></td><td></td><td></td></tr> </table> <table border="1" style="margin-bottom: 10px; border-collapse: collapse;"> <tr><td>22b.</td><td colspan="3">b. How many weeks did this person work in 1979? <i>Count paid vacation, paid sick leave, and military service.</i></td></tr> <tr><td>I 0 0</td><td style="text-align: center;">Weeks</td><td></td><td></td></tr> <tr><td>I 1 1</td><td></td><td></td><td></td></tr> <tr><td>2 2</td><td></td><td></td><td></td></tr> <tr><td>3 3</td><td></td><td></td><td></td></tr> <tr><td>4 4</td><td></td><td></td><td></td></tr> <tr><td>5 5</td><td></td><td></td><td></td></tr> <tr><td>6 6</td><td></td><td></td><td></td></tr> <tr><td>7 7</td><td></td><td></td><td></td></tr> <tr><td>8 8</td><td></td><td></td><td></td></tr> <tr><td>9 9</td><td></td><td></td><td></td></tr> </table> <table border="1" style="margin-bottom: 10px; border-collapse: collapse;"> <tr><td>23a. c. During the weeks <u>worked</u> in 1979, how many hours did this person usually work each week? 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GENERAL

The results of the 1980 Census of Population and Housing are issued in three forms: printed reports, computer tape

files, and microfiche. Most of the reports listed are issued on a flow basis through 1983. A few may be issued later, such as Subject Reports and Evaluation and Reference Reports.

The publications of the 1980 census are released under three subject titles: *1980 Census of Population and Housing*, *1980 Census of Population*, and *1980 Census of Housing*. The description of the publication program below is organized in sections, by census title, followed by the reports under each title. It should be noted that a number of population census reports contain some housing data and a number of housing census reports contain some population data. Following the description of the publication program are sections on computer tapes, maps, and microfiche.

The data product descriptions include listings of geographic areas for which data are summarized in that product. Note that the term "place" refers to incorporated places and census designated (or unincorporated) places, as well as towns and townships in 11 States (the 6 New England States, the 3 Middle Atlantic States, Michigan, and Wisconsin).

Order forms for these materials are available, subject to availability of the data product, from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233; Census Bureau Regional Offices; U.S. Department of Commerce District Offices; and State Data Centers. After issuance, census reports are on file in many libraries and are available for examination at any Department of Commerce District Office or Census Bureau Regional Office.

PUBLICATIONS

Population and Housing Census Reports

PHC80-1, Block Statistics—These reports, which are issued on microfiche rather

Appendix F.—Publication and Computer Tape Program

than in print form, present population and housing unit totals and statistics on selected characteristics which are based on complete-count tabulations. Data are shown for blocks in urbanized areas and selected adjacent areas, for blocks in places of 10,000 or more inhabitants, and for blocks in areas which contracted with the Census Bureau to provide block statistics.

The set of reports consists of 374 sets of microfiche and includes a report for each standard metropolitan statistical area (SMSA), showing blocked areas within the SMSA, and a report for each State and for Puerto Rico, showing blocked areas outside SMSA's. In addition to microfiche, printed detailed maps showing the blocks covered by the particular report are available as well as a U.S. Summary, which is an index to the set.

PHC80-2, Census Tracts—Statistics for most of the population and housing subjects included in the 1980 census are presented for census tracts in SMSA's and in other tracted areas. Both complete-count data and sample data are included. Most statistics are presented by race and Spanish origin for areas with at least a specified number of persons in the relevant population group.

There is one report for each SMSA, as well as one for each of the States and Puerto Rico which have tracted areas outside SMSA's. In addition, maps showing the boundaries and identification numbers of census tracts in the SMSA are available as well as a U.S. Summary, which is an index to the set and also provides a historical listing of the total number of tracts by area.

PHC80-3, Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas—Statistics are presented on total population and on complete-count and sample population characteristics such as age, race, education, disability, ability to speak English, labor force, and income, and on total housing units and housing characteristics such as value, age of structure, and rent. These statistics are shown for the following areas or their equivalents: States, SMSA's, counties, county subdivisions (those which are functioning general-purpose local governments), and incorporated places.

There is one report for each State, the District of Columbia, and Puerto Rico.

This series does not include a U.S. Summary.

PHC80-4, Congressional Districts of the 98th Congress—These reports present complete-count and sample data for congressional districts of the 98th Congress. The reports reflect redistricting based on the 1982 elections. One report is issued for each of the 50 States and the District of Columbia.

PHC80-S1-1, Provisional Estimates of Social, Economic, and Housing Characteristics—This report presents provisional estimates based on sample data collected in the 1980 census. Data on social, economic, and housing characteristics are shown for the United States as a whole, each State, the District of Columbia, and SMSA's of 1 million or more inhabitants.

These data are based on a special subsample of the full census sample. The sample, which represents about 1.6 percent of the total population, was developed to provide users with initial data on characteristics of the population and housing units for the Nation and large areas.

PHC80-S2, Advance Estimates of Social, Economic, and Housing Characteristics—These reports present advance sample data from the 1980 census including such social and economic characteristics of the population as education, migration, labor force, and income as well as housing characteristics such as structural information, mortgage, and gross rent.

The set consists of 50 paperbound reports and includes one report for each State and the District of Columbia. No report will be issued for the United States as a whole.

Each report presents population and housing characteristics for the State, its counties or comparable areas, and places of 25,000 or more inhabitants. Selected data are shown for four race groups (White; Black; combined American Indian, Eskimo, and Aleut; and Asian and Pacific Islander) as well as for persons of Spanish origin.

Population Census Reports

PC80-1, Volume 1, Characteristics of the Population—This volume presents final

population counts and statistics on population characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of four chapters for each area, chapters A, B, C, and D. Chapters A and B present data collected on a complete-count basis, and chapters C and D present estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The population totals presented in chapters A and B may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Chapters B, C, and D present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A, B, C, and D.

PC80-1-A, Chapter A, Number of Inhabitants—Final population counts are shown for the following areas or their equivalents: States, counties, county subdivisions, incorporated places and census designated places, standard consolidated statistical areas (SCSA's), SMSA's, and urbanized areas. Selected tables contain population counts by urban and rural residence. Many tables contain population counts from previous censuses.

PC80-1-B, Chapter B, General Population Characteristics—Statistics on household relationship, age, race, Spanish origin, sex, and marital status are shown for the following areas or their equivalents: States, counties (by total and rural residence), county subdivisions, places of 1,000 or more inhabitants, SCSA's,

SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

PC80-1-C, Chapter C, General Social and Economic Characteristics—Statistics are presented on nativity, State or country of birth, citizenship and year of immigration for the foreign-born population, language spoken at home and ability to speak English, ancestry, fertility, family composition, type of group quarters, marital history, residence in 1975, journey to work, school enrollment, years of school completed, disability, veteran status, labor force status, occupation, industry, class of worker, labor force status in 1979, income in 1979, and poverty status in 1979. In addition, data on subjects shown in the PC80-1-B reports are presented in this report in more detail.

Each subject is shown for some or all of the following areas or their equivalents: States, counties (by rural and rural-farm residence), places of 2,500 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

PC80-1-D, Chapter D, Detailed Population Characteristics—Statistics on most of the subjects covered in the PC80-1-C reports are presented in this report in considerably greater detail and cross-classified by age, race, Spanish origin, and other characteristics. Each subject is shown for the State or equivalent area, and some subjects are also shown for rural residence at the State level. Most subjects are shown for SMSA's of 250,000 or more inhabitants, and a few are shown for central cities of these SMSA's.

PC80-2, Volume 2, Subject Reports—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. A few reports show statistics for States, SMSA's, large cities, American Indian reservations, or Alaska Native villages. Separate reports are issued on such subjects as racial and ethnic groups, type of residence, fertility, families, marital status, migration, education, employment, occupation, industry, journey to work, income, poverty status, and other topics.

PC80-S1, Supplementary Reports—These reports present special compilations of

1980 census statistics dealing with specific population subjects.

Housing Census Reports

HC80-1, Volume 1, Characteristics of Housing Units—This volume presents final housing unit counts and statistics on housing characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of two chapters for each area, chapters A and B. Chapter A presents data collected on a complete-count basis, and chapter B presents estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The housing totals presented in this report may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Both chapters present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A and B.

HC80-1-A, Chapter A, General Housing Characteristics—Statistics on units at address, tenure, condominium status, number of rooms, persons per room, plumbing facilities, value, contract rent, and vacancy status are shown for some or all of the following areas or their equivalents: States, counties, county subdivisions, places of 1,000 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables contain housing characteristics by urban and rural residence.

HC80-1-B, Chapter B, Detailed Housing Characteristics—Statistics on units in structure, year moved into unit, year structure built, heating equipment, fuels, air-conditioning, source of water, sewage disposal, gross rent, and selected monthly ownership costs are shown for some or all of the following areas or their equivalents: States, counties, places of 2,500 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables show housing characteristics for rural and rural farm residence at the State and county level. Some subjects included in the HC80-1-A reports are also covered in this report in more detail.

HC80-2, Volume 2, Metropolitan Housing Characteristics—This volume presents statistics on most of the 1980 housing census subjects in considerable detail and cross-classification. Most statistics are presented by race and Spanish origin for areas with at least a specified number of the relevant population group. Data are shown for States or equivalent areas, SMSA's and their central cities, and other cities of 50,000 or more inhabitants.

There is one report for each SMSA and one report for each State and Puerto Rico. The set includes a U.S. Summary report showing these statistics for the United States and regions.

HC80-3, Volume 3, Subject Reports—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. Separate reports are issued on housing of the elderly, mobile homes, and American Indian households.

HC80-4, Volume 4, Components of Inventory Change—This volume consists of two reports presenting statistics on the 1980 characteristics of housing units which existed in 1973, as well as on newly constructed units, conversions, mergers, demolitions, and other additions and losses to the housing inventory between 1973 and 1980. These reports present data derived from a sample survey conducted in the fall of 1980. Data are presented for the United States and regions in report I. Report II has two parts: Part A presents data for that group of SMSA's (not individually identified)

with populations of 1 million or more at the time of the 1970 census, and part B presents data for that group of SMSA's (not individually identified) with populations of less than 1 million at the time of the 1970 census.

HC80-5, Volume 5, Residential Finance—This volume consists of one report presenting statistics on the financing of non-farm homeowner and rental and vacant properties, including characteristics of the mortgage, property, and owner. The statistics are based on a sample survey conducted in the spring of 1981. Data are presented for the United States and regions. Some data are presented by inside and outside SMSA's and by central cities.

HC80-S1-1, Supplementary Reports—These reports present statistics from the 1980 Census of Housing on general characteristics of housing units for the 50 States and the District of Columbia, counties, and independent cities.

Evaluation and Reference Reports

PHC80-E, Evaluation and Research Reports—These reports present the results of the extensive evaluation program conducted as an integral part of the 1980 census. This program relates to such matters as completeness of enumeration and quality of the data on characteristics.

PHC80-R, Reference Reports—These reports present information on the various administrative and methodological aspects of the 1980 census. The series includes:

PHC80-R1, Users' Guide—This report covers subject content, procedures, geography, statistical products, limitations of the data, sources of user assistance, notes on data use, a glossary of terms, and guides for locating data in reports and tape files. The guide is issued in looseleaf form and sold in parts (R1-A, B, etc.) as they are printed.

PHC80-R2, History—This report describes in detail all phases of the 1980 census, from the earliest planning through all stages to the dissemination of data and evaluation of results. It contains detailed discussion of 1980 census questions and their use in previous decennial censuses.

PHC80-R3, Alphabetical Index of Industries and Occupations—This report was developed primarily for use in classifying responses to the questions on the kind of business (industry) and kind of work (occupation) in which the respondent is engaged. The index lists approximately 20,000 industry and 29,000 occupation titles in alphabetical order.

PHC80-R4, Classified Index of Industries and Occupations—This report defines the industrial and occupational classification systems adopted for the 1980 Census of Population. It presents the individual titles that constitute each of the 231 industry and 503 occupation categories in the classification systems. The individual titles are the same as those shown in the Alphabetical Index. The 1980 occupation classification reflects the new U.S. Standard Occupational Classification (SOC). As in the past, the 1980 industry classification reflects the Standard Industrial Classification (SIC).

PHC80-R5, Geographic Identification Code Scheme—This report identifies the names and related geographic codes for each State, county, minor civil division, place, region, division, SCSA, SMSA, American Indian reservation, and Alaska Native village for which the Census Bureau tabulated data from the 1980 census.

COMPUTER TAPES

Summary Tape Files

In addition to the printed and microfiche reports, results of the 1980 census also are provided on computer tape in the form of summary tape files (STF's). These data products have been designed to provide statistics with greater subject and geographic detail than is feasible or desirable to provide in printed and microfiche reports. The STF data are made available at nominal cost. The data are subject to suppression of certain detail where necessary to protect confidentiality.

There are five STF's (listed below), and the amount of geographic and subject detail presented varies. STF's 1 and 2 contain complete-count data, and STF's 3, 4, and 5 contain sample data. Note that the term "cells" used below refers

to the number of subject statistics provided for each geographic area, and the number of cells is indicative of the detail of the subject content of the file.

Each of the STF's generally consists of two or more files which provide different degrees of geographic detail and, in some cases, race/Spanish origin cross-classification. For each of the files there is a separate tape or tapes for each State, the District of Columbia, and Puerto Rico. Selected files (STF 1 and STF 3) are also produced for Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. These tapes are issued on a State-by-State basis and are followed by a national summary tape for the particular file. More complete descriptions of the STF's than given in the summaries below can be found in the technical documentation of the specific file and in the PHC80-R1, *Users' Guide*.

STF 1—This STF provides 321 cells of complete-count population and housing data. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, congressional districts, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and blocks and block groups in blocked areas. The data include those shown in the PHC80-1, PHC80-3 (complete-count), and PC80-1-A reports.

STF 2—This STF contains 2,292 cells of detailed complete-count population and housing data, of which 962 are repeated for each race and Spanish origin group present in the tabulation area. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, counties, county subdivisions, places of 1,000 or more inhabitants, census tracts, American Indian reservations, and Alaska Native villages. The data include those shown in the PHC80-2 (complete-count), PC80-1-B, and HC80-1-A reports.

STF 3—This STF contains 1,126 cells of data on various population and housing subjects collected on a sample basis. The areas covered are the same as in STF 1, excluding blocks. The data include those shown in the PHC80-3 (sample) reports.

STF 4—This STF is the geographic counterpart of STF 2, but the number of cells of data is greater (approximately 8,400). STF 4 provides data covering virtually all of the population and housing subjects collected on a sample basis, as well as some of the complete-count subjects. Some of the statistics are repeated for race, Spanish origin, and ancestry groups. Data are summarized for areas similar to those shown in STF 2, except that data for places are limited to those with 2,500 or more inhabitants. The data include those shown in the PHC80-2 (sample), PC80-1-C, and HC80-1-B reports.

STF 5—This STF contains over 100,000 cells of data on various population and housing subjects collected on a sample basis and provides detailed tabulations and cross-classifications for States, SMSA's, counties, cities of 50,000 or more inhabitants and central cities. Most subjects are classified by race and Spanish origin. The data include those shown in the PC80-1-D and HC80-2 reports.

Other Computer Tape Files

P.L. 94-171, Population Counts—In accordance with Public Law (P.L.) 94-171, the Census Bureau provides population tabulations to all States for legislative reapportionment/redistricting. The file is issued on a State-by-State basis. It contains population counts classified by race and Spanish origin. The data are tabulated for the following levels of geography as applicable: States, counties, county subdivisions, incorporated places, census tracts, blocks and block groups in blocked areas, and enumeration districts in unblocked areas. For States participating in the voluntary program to define election precincts in conjunction with the Census Bureau, the data are also tabulated for election precincts.

Master Area Reference Files 1 and 2 (MARF)

MARF 1—This geographic reference file is an extract of STF 1 designed for those who require a master list of geographic codes and areas, along with basic census counts arranged hierarchically from the State down to the block group and enumeration district levels and is issued on a State-by-State basis. The file contains records for States, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and block groups in blocked areas. Each record shows the total population by five race groups, population of Spanish origin, number of housing units, number of households, number of families, and a few other items.

MARF 2—This file is the same as the MARF 1 with the latitude and longitude coordinates for a representative point (centroid) in each block group (BG) or enumeration district (ED) outside block numbered areas.

Geographic Base File/Dual Independent Map Encoding (GBF/DIME)—These files are computer representations of the Metropolitan Map Series, including address ranges and ZIP Codes, which generally cover the urbanized portions of SMSA's. GBF/DIME files are used to assign census geographic codes to addresses (geocoding). The files are available by SMSA.

Public-Use Microdata Samples—Public-use microdata samples are computerized files containing most population and housing characteristics as shown on a sample of individual census records. These files contain no names or addresses, and geographic identification is sufficiently broad to protect confidentiality.

There are three mutually exclusive samples, the A sample including 5 percent of all persons and housing units, and the

B and C samples each including 1 percent of all persons and housing units. States and most large SMSA's will be identifiable on one or more of the files. Microdata files allow the user to prepare customized tabulations.

Census/EEO Special File—This file provides sample census data with specified relevance to EEO and affirmative action uses. The file contains two tabulations, one with detailed occupational data and the other with years of school completed by age. The data in both tabulations are crossed by sex, race, and Spanish origin. These data are provided for all counties, for all SMSA's, and for places with a population of 50,000 or more.

MAPS

Maps necessary to define areas are generally published and included as part of the corresponding reports. Maps are published for Block Statistics (PHC80-1) and Census Tracts (PHC80-2), but must be purchased separately from the report. Maps necessary to define enumeration districts are available on a cost-of-reproduction basis.

MICROFICHE

Some of the computer tape products are available on microfiche. The STF microfiche are issued for each State or Area and for the United States. These include:

STF 1 Microfiche—Data from STF 1 are presented in tabular form for all the STF 1 geographic levels described previously, except blocks.

STF 3 Microfiche—Data from STF 3 are presented in tabular form for all the STF 3 geographic levels.

P.L. 94-171 Counts Microfiche—The data from the P.L. 94-171 computer file are presented in a listing format.

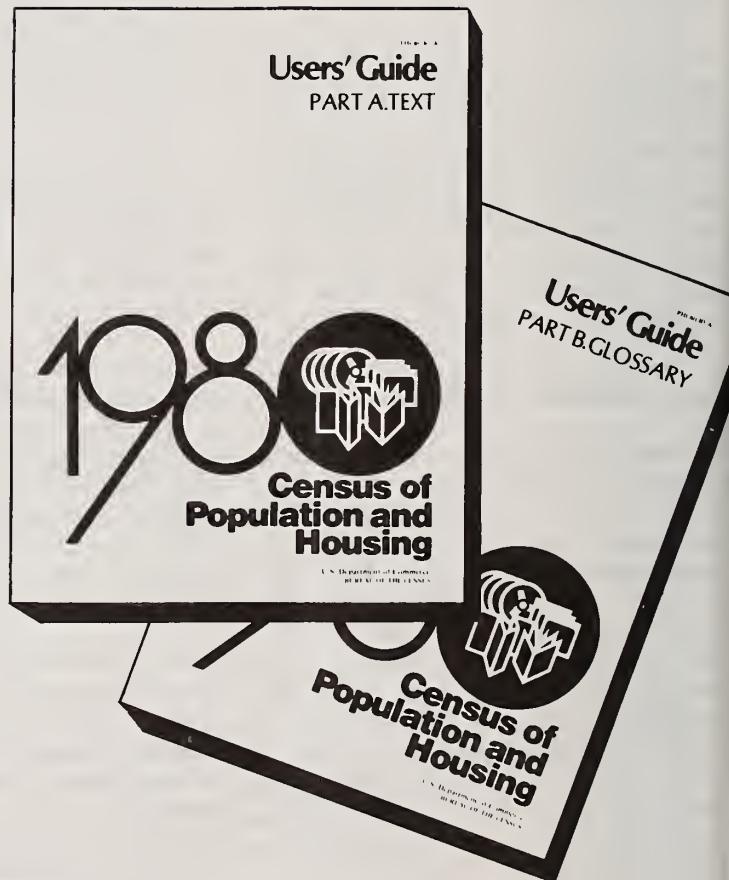
1980 Census of Population and Housing

Users' Guide

The Users' Guide, a reference work on the 1980 census, is now available. It consists of:

- Part A. Text—Covers census data subjects; geographic considerations; reports, tapes, maps, and other products; services available to users; and many other topics central to understanding and using 1980 census data.
- Part B. Glossary—Provides detailed definitions of population, housing, geographic, and technical terms associated with the census—especially important for people using 1980 data on tape or microfiche.
- Sources of Assistance—Furnishes addresses and phone numbers of public and private sector organizations offering a variety of products and services, such as tape processing, area profiles, training, and reference assistance.
- Updates—Provide information on new developments relating to the 1980 census. Each update is keyed to the particular point in "Part A. Text" that needs revision.

Part C, a table finder, and Part D, a guide to tape contents, are planned for publication later.



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Part A. Text (S/N 003-024-03625-8)—\$5.50. Supplement 1 (S/N 003-024-05004-8)—\$6.00 (includes Part B. Glossary, Sources of Assistance, and Updates)

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